

PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

HYDERABAD ASSIGNED DISTRICTS



FOR THE YEAR

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No. 178—272-2 F., dated Calcutta, the 16th February 1903.

File No. 272 of
1902.
Serial No. 2.

From—J. O. MILLER, Esq., C.S.I., Secretary to the Government of India,

To—The Honourable the Resident at Hyderabad.

I AM directed to acknowledge the receipt of Major Haig's letter, No. 479, dated the 23rd December 1902, forwarding the Report on Forest Administration in the Hyderabad Assigned Districts for the year 1901-2, together with the Commissioner's remarks thereon.

2. The area for which permanent working-plans have been drawn up appears to be 725 square miles out of a total forest area of 3,951 square miles, no new plans having been completed during the year. The Government of India hope that nothing will be allowed to delay the completion of practical plans for such areas as may be reasonably expected to command a market, and will watch with interest the progress made in this direction.

The report does not make it clear to what extent existing plans have proved satisfactory when put to the test of actual working, or how far the absence of demand, or other causes, have prevented their being acted on fully. This point should be noticed in future reports.

3. Under the adverse conditions which prevailed, fire-protection was no doubt rendered somewhat difficult, and the results were much less satisfactory than in the previous year. The number of cases of injury by fire rose from 58 in 1900-1 to 131, while 41 fires, due to carelessness or other preventible causes, were responsible for half the total area burnt. Closer and more efficient supervision on the part of the controlling staff would have probably secured better results.

4. The remarks in paragraph 23 of the report deal with a subject of much importance, and the Government of India will watch with interest the results of any experiments that may be made to assist germination.

5. The outturn of the forests exceeded that of the previous year under every principal head, owing to the recovery from the agricultural distress of the previous year and the revenue rose in proportion. The net surplus was Rs2,74,500, or more than double the surplus in the previous year, and the administration of the Department appears to have been efficiently conducted.

No. 174 F.

COPY, with a copy of the Report, forwarded to the Foreign Department, for information.

No. 175 F.

COPY forwarded to the Inspector General of Forests, for information, with reference to paragraph 2.

Review by the Commissioner, Hyderabad Assigned Districts, of the
Report on the Forest Administration of the Hyderabad Assigned
Districts for the year 1901-02.

There was a slight increase in the area of State-forests, nearly one square
mile. Fourteen square miles of forest were transferred from Classes B and C

ERRATUM.

Review by the Commissioner, Hyderabad Assigned Districts, of
the Report on the Forest Administration of the Hyderabad
Assigned Districts for the year 1901-02.

For clause 2 of paragraph 4 substitute the following:—

The number of prosecutions, however, bears a smaller proportion to
offences when compared with the preceding year, and the number of cases
"compounded" increased by 220. Except in cases of wilful damage to forests,
where a criminal prosecution is necessary on principle, compounding is the
most satisfactory method of dealing with the offenders.

23—(G.C.F.)

The results of the measures taken to protect forests from fire are reported
to have been unsatisfactory, 50,625 acres being shown under "failures" to
968,871 "attempted" against 12,409 and 949,697 acres respectively in the
previous year. This is explained to be due to the late arrival and early cessation
of the monsoons, which exposed the forests to the risk of fire for a longer time,
and to the insufficiency of the rainfall, which made them more susceptible
to it.

5. A total area of 2,587 square miles of all classes of forests was thrown
open for grazing. This includes areas opened for part of the year only. The
special grazing concessions sanctioned during the famine are now that normal
conditions have returned being steadily withdrawn.

6. The receipts for the year amounted to Rs. 4,86,427 and the expenditure
to Rs. 2,11,926, leaving at the close of the year a surplus of Rs. 2,74,511.

The report shows the working of the department to have been on the whole
satisfactory, the financial results at least are eminently so. Mr. Fernandez
has already proved himself to be an energetic and successful Conservator.

1251—[G.C.F.]

No. 81, dated Camp Amrangi, the 27th September 1902

From—D. L. Fernandez, Esq., Conservator of Forests, Hyderabad Assigned Districts.
To—The Commissioner, Hyderabad Assigned Districts.

I have the honour to submit herewith the Annual Report on Forest Administration in the Hyderabad Assigned Districts during the Forest year 1901-02. In its preparation the model suggested for such reports by the Inspector-General of Forests and circulated with Revenue and Agriculture Department letter No 7-B, dated 1st September 1900, has been closely followed, and the wishes of the Government of India in regard to brevity duly observed.

HYDERABAD ASSIGNED DISTRICTS

ANNUAL PROGRESS REPORT ON FOREST ADMINISTRATION FOR THE YEAR 1901-02.

Chapter I.—Extension and Constitution of State-Forests.

SECTION I.—ALTERATION OF AREAS.

1. The changes of areas which took place during the year are summarised below, details being shown in appended Form No 46 and Appendix A. There was a net increase of nearly 1 square mile. The reclassification of Class C-II areas in Basim was commenced, and will, it is expected, be completed in 1902-03:—

Class of Block or Forest	Area in square miles	Changes during the year.										Total area of the year				
		Addition in acres due to					Reduction in acres due to									
		Forest No.	Transfer to in		Transfer from to another District	Corrected net increase	In total net not written by mistake in net increase in acres	Total added no.	District notation	Transfer to		Transfer from to Forest Division in another District	Corrected net decrease			
			Forest No.	Class No.						Forest No.	Class No.					
A	14,730	57	1	414	17	34,027	301	1	19,724	24	31,007	302	38,331	1,081,66	1,702	
B	1,723	64				62		85	1,714	414	75		3,513	33,593	64	
C	1,000	1,000	1	1		34,57		1,725	0,319	4,217	34,297	12	1,905	1,385,100	2,189	
Total	17,453	12,120	1,473	4,217	53,131	1,081	41	01,131	11,631	4,631	989	73,479	3,217	31,637	2,521,477	3,954

SECTION II.—FOREST SETTLEMENTS.

2. The Bharat Forest Law excludes all idea of forest settlements, as the results of the enquiry made in connection with Land Revenue settlements are accepted without modification or supplement.

SECTION III.—DEMARICATION.

3. Comparison with previous reports will show that the figures now entered in Form No. 48 bear no connection at all with those recorded in these reports. The several columns have for the first time been filled up correctly, the headings of columns 6-8 having been heretofore misunderstood. Even now the figures received from the divisions are not accurate, and are subject to revision in future reports.

1251—[G.C.P.]

SECTION IV.—FOREST SURVEYS.

4. A survey of the Chitori forest on the scale of 4"=1 mile was commenced during the year under the direction of the Conservator in order to prepare a compartment map of that reserve for the working-plan. This survey, except for certain mistakes since discovered in the boundary, was completed by the end of the season. The correct boundaries will be laid down and the map completed in the first month of the ensuing open season.

SECTION V.

5. The Superintendent of Forest Surveys, Bengal Presidency, printed for us the second edition of the 1-inch sheets of the Darwa, Daryapur, and Malkapur tracts at a cost of Rs. 229.

Chapter II.—Management of State-Forests.

SECTION I.—REGULATION OF MANAGEMENT.

(a) PREPARATION OF REGULAR WORKING PLANS.

6. A working-plan for the forests of the Amraoti Division was prepared and submitted for opinion to the Inspector-General of Forests in manuscript. It was returned with the request that it should be resubmitted in print (in proof or finally struck off, as judged necessary) if it satisfied the Conservator who was responsible for it. The plan was then entirely recast and sent up in proof so that any alterations and additions ordered might be at once made or interpolated before final publication. The Inspector-General returned the proof and desired to receive back the plan finally printed off. His wishes were complied with in April, but up to the close of the year his review of it had not been issued.

7. Out-door operations for a working-plan for the forests of the Buldana Division were commenced and completed and a part of the plan written up in accordance with the preliminary proposals accepted by the Inspector-General of Forests. The plan could not be completed as the orders of the Honourable the Resident on certain reclassifications of area had to be awaited.

8. Preliminary proposals for the preparation of a working-plan for the Kohada forests, Ellichpur Division, as well as similar proposals for revising the Bairagarh and Gughamal working-plan, were submitted to the Inspector-General of Forests. The former were accepted and the latter were returned for reconsideration.

(b) PRELIMINARY WORKING PLANS AND PLANS OF OPERATIONS.

9. No new plans were drawn up, but existing ones for the Ellichpur, Buldana, Basim, and Wun Divisions were followed as far as circumstances permitted.

10. The usual plans of operations were compiled at the commencement of the year and adhered to.

SECTION II.—COMMUNICATIONS AND BUILDINGS.

(a) ROADS, BRIDGES, AND EXISTING LINES.

11. The utmost economy was exercised, as will be apparent from the comparative figures given below. Many urgent new works were put off against the return of more favourable financial conditions. All new works completed were for permanent use:—

		Average cost previous 10 years, Rs.	Cost during 1901-02. Rs.
<i>Communications—</i>			
New works	...	6,542	...
Repairs	...	7,160	5,790
Total	...	13,702	5,790
<i>Buildings—</i>			
New works	...	5,011	1,559
Repairs	...	3,426	3,704
Total	...	8,437	5,263
<i>Other works—</i>			
New works	...	759	50
Repairs	...	911	296
Total	...	1,670	346
GRAND TOTAL	...	23,509	11,399

SECTION III.—PROTECTION OF FORESTS.

(a) GENERAL PROTECTION.

12. The number and nature of the offences committed and the manner in which they were dealt with are detailed and compared with the average figures of the ten preceding years in Appendix B. The following is an abstract for the circle :—

Nature of offence.	Prosecuted.		Compounded.		Undetected.		Total.	
	Previous 10 years.	1901-02.	Previous 10 years.	1901-02.	Previous 10 years.	1901-02.	Previous 10 years.	1901-02.
Injury by fire	15	20	24	46	24	68	63	134
Unauthorised felling and removal of produce.	118	63	175	590	29	13	622	686
Unauthorised grazing...	13	3	91	132	12	...	116	135
Other offences	26	22	65	55	1	1	92	78
Total	172	108	655	823	66	32	893	1,013

The above figures show that greater leniency than usual was exercised in prosecuting cases, the proportion of cases compounded being correspondingly increased. The larger number of cases brought to light prove closer vigilance on the part of the establishment. The rise in the number of undetected cases (8.1 per cent. of the total number of cases in 1901-02 against an average percentage of 7.42 during the previous ten years) needs no explanation; nor do the separate divisional details call for comment.

13. In the subjoined table the results of the prosecutions undertaken in 1901-02 and in the preceding period of ten years are compared :—

Division.	Average of 10 preceding years.		1901-02.		Percentage of failures to total number prosecuted.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	Preceding 10 years.	1901-02.
Ellichpur	23	4	19	2	14.8	9.6
Amraoti	45	10	16	7	18.2	30.4
Buldana	26	10	12	1	27.8	7.7
Basim	13	4	21	3	23.6	13.6
Wan	30	9	20	3	23.1	13.0
Circle	137	37	88	16	21.3	15.4

The Divisional Officer, Amraoti, has omitted to explain the large percentage of failures in his division. On the whole, however, greater discretion has been used in sending cases into court.

14. All needful statistics regarding cases compounded are collected in the following statement :—

Division.	Number of cases compounded per square mile of forest area.		Number of persons per case.		Number of persons dealt with per square mile of forest area.		Amount of compensation levied in rupees.			
							Per case.		Per person dealt with.	
	Average of previous 5 years.	1901-02.	Average of previous 5 years.	1901-02.	Average of previous 5 years.	1901-02.	Average of previous 5 years.	1901-02.	Average of previous 5 years.	1901-02.
Ellichpur	0.10	0.10	2	3	0.20	0.21	1.95	1.62	0.97	0.76
Amraoti	0.74	0.68	4	5	2.87	2.90	2.13	4.16	0.63	0.83
Buldana	0.17	0.34	3	4	0.57	1.18	3.72	4.00	1.14	1.18
Basim	0.14	0.31	4	3	0.41	0.39	4.80	5.91	1.70	3.05
Wan	0.14	0.20	2	3	0.33	0.39	3.80	2.63	1.61	1.30
Circle	0.20	0.21	3	3	0.68	0.60	3.77	3.70	1.09	1.27

(b) PROTECTION FROM FIRE.

15. Detailed figures for the past year in connection with this operation are given in Form No. 53. Statistics relating to B Class forests have always been excluded from this return, although they too are specially protected every year. This incorrect practice has perforce to be followed in the present report, but from next year it will be possible to include all data. In the past year Rs. 325 were spent in protecting 51 square miles of B Class forests.

16. The following abstract, in which the results of the past year are compared with the averages of the preceding decade, will be found interesting and useful :—

Division.	Year.	Area attempted.	Results.				Approximate cost per square mile of area attempted.
			Successfully protected.	Failures.	Percentage on area attempted.	Cost of protection.	
		Acres.	Acres.	Acres.	%.	Rs.	Lk.
Ellichpur	Average of previous 10 years...	458,876	467,501	1,871	0.24	4,745	6.4
	1901-02	193,678	480,137	6,578	1.72	6,113	6.6
Amraoti	Average of previous 10 years...	21,374	21,482	188	0.76	849	17.0
	1901-02	27,740	22,637	5,112	18.45	854	19.6
Buldana	Average of previous 10 years...	123,571	115,811	7,760	6.28	1,478	9.7
	1901-02	117,251	107,728	9,523	7.99	2,034	11.3
Basim	Average of previous 10 years...	131,761	133,456	1,695	1.29	1,743	8.2
	1901-02	140,210	132,849	7,361	5.25	2,211	9.5
Wan	Average of previous 10 years...	135,176	124,201	10,975	7.93	3,370	15.8
	1901-02	146,287	137,214	9,073	6.20	3,674	15.0
Circle	Average of previous 10 years...	877,951	870,201	7,750	0.88	12,337	9.9
	1901-02	918,871	918,606	265	0.19	11,584	9.6

Two points here call for special notice—viz, (1) the marked rise in every division in the percentage of failures, and (2) the higher cost per square mile placed under protection. The increases are fully explained by the exceptionally unfavourable character of the season, the combined result of (a) the short rainfall of 1901 and its early cessation, (b) the total absence of rain in the cold weather, and (c) the delayed monsoon of 1902, which gave the first important falls of rain only after the second week of July. Thus imminent risk of fire commenced as early as the first week of October; a large area was burnt on 5th October, and several more extensive conflagrations had already occurred before the end of November, while in the Buldana Division a fire swept over 11 acres as late as the 17th August. An additional effective cause was the presence of a large gang of dacoits who had established their lairs among the hill fastnesses in the Amraoti and Gera Matargan reserves. On one occasion, in availing a party of police sent out to capture them, they set fire to the grass to cover their retreat, and in consequence 4,900 acres of the Amraoti Reserve were burnt. The unsatisfactory results of the year's work were in no sense due either to relaxed effort or diminished vigilance on the part of the establishment, which on the whole did its very best in an unusually trying season.

17. In the following statement are summarised the causes of the various fires that occurred :—

Division.	Causes of fires (including those in reserved areas).														Total A, B, and C.	
	A—Fires caused by accident or through carelessness in handling fire lines.		B—Fires entering the forest from adjoining cultivated areas.		C—Fires originating inside the reserve or in reserved areas.											
					Origin of fires.											
	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.		
Ellichpur	13	27	1	1	8	6,400	2	1,025	1	70	3	1,508	13	6,533		
Amraoti	19	85	0	3,913	1	28	1	3,196	1	600	3	3,211	10	6,112		
Buldana	2	3,199	1	60	1	28	1	3,196	1	600	3	3,211	10	6,112		
Basim	5	1,055	1	9,475	1	988	1	4,282	1	600	3	3,211	10	6,112		
Wan	6	2,087	6	3,700	3	988	1	4,282	1	600	3	3,211	10	6,112		
Total	35	7,903	10	17,718	13	7,516	7	8,563	3	76	4	2,490	26	16,584	50,265	

There were no fires caused by railway engines, nor was any fire lit by persons in pursuit of game or desirous of producing a new crop of grass or of diminishing cover.

(c) PROTECTION FROM CATTLE.

18. The extent of forest respectively under closure and open to grazing during the year is shown in appended Form 54. The figures for the past two years compare as under for the entire circle:—

		1900-01.	1901-02.
Closed to all animals	Whole year	1,259	1,353
	Part of year	91	15
Closed to browsers alone	Throughout year	131	178
	Part of year	115	29
Open to all animals	Throughout year	2,492	2,365

The more extensive areas closed throughout the year to all animals and to browsers are explained by additions made to A Class forests and the corresponding diminution of the area (Classes C-I and C-II) in which all animals were allowed to graze throughout the year. The marked decreases in the areas closed for only a part of the year are due to the fact that, normal conditions having returned after the recent famine, it was not found necessary to open any A Class areas additional to those in which cattle were admitted in accordance with the preliminary working-plans in force.

(d) PROTECTION OF FOREST GROWTH AGAINST INJURY FROM NATURAL CAUSES.

19. The drying up of teak trees reported in the previous year as a consequence of the drought which culminated in 1899 still continued in all the divisions, and, as the trunks of teak trees which die standing are in Berar deeply shaken along their whole length, the dying trees had to be utilised as quickly as possible, and practically furnished the entire yield of the year. The severity of the drought may be best appreciated from the fact that even now, three years after the end of the drought, thousands of trees that had apparently escaped, but had nevertheless been apparently injured in their vitality, are gradually drying up.

20. The entire province was visited by a veritable plague of rats, which destroyed tens of thousands of seedlings, saplings, and young poles, chiefly of babul, teak, sajar, dhaora, and mowha. In most cases they gnawed off every vital part in the region of the root collum, thus completely killing the plant; but often the bark of even the trunk and branches was eaten away clean, and not unfrequently the wood was girdled to a considerable depth, so that the portion above snapped off in the wind. Bamboo clumps also suffered, the smaller ones being killed outright, or very nearly so.

21. The Lantana clearing operations in the Melghat were continued at a cost of Rs. 698. Experience seems to show that an infected area need not be gone over oftener than once in three years.

22. In accordance with established custom no special creeper cutting operations were undertaken. There is, however, no doubt but that this work has been too long neglected in the Melghat, and measures for carrying it out in a systematic manner require to be set on foot without delay. Much of the work can be done by the ordinary protective staff in their daily rounds.

SECTION IV.—SYLVICULTURE.

(a) NATURAL REPRODUCTION.

23. The unusually abundant crop of seed referred to in paragraph 15 of the previous year's report, which, it had been hoped, would compensate by its germination for the heavy losses suffered from the drought, had no results whatsoever, for the most careful search in the midst of the grass failed to discover a single yearling after November, thus corroborating in the most emphatic manner the conclusions arrived at by the writer of this report as the result of 28 years' special study, and recorded in paragraph 38 of the Central Provinces Northern Circle Annual Forest Report for 1899-1900, the following extract from which will bear repeating:—

"To expect any really tangible results from the natural sowing of the ground under more protection from grazing and fire is to ignore what has happened during the past 30 years of such protection and of futile waiting for a new stock of valuable and full forest to make its appearance and replace the old open scrub of mostly dwarfed, scraggy, often unsound trees, few of which belong to marketable species. Compare the stock in those areas, which were at the outset of forest conservation in these Provinces chosen for their special promise, and which have ever since been carefully protected from cattle and fire, with adjoining areas under similar conditions of soil and climate, but which have always been open to grazing and under a less stringent system of protection against fire. Having started better in the race, one would expect that the former would have forged further ahead. But what is the fact? The difference of condition between the two classes

of areas is actually so slight as to be generally inappreciable save after close and careful observation. In the former areas we look in vain for any group of teak or other valuable species which has come up as the result of seed-germination since the commencement of conservation. All that has really happened is that pre-existing young seedling growth that had been kept back by grazing and annual fires has, since these two adverse conditions have been suppressed, had a chance of getting away and forming forest. In the early Forest Reports it was usual to describe this growth as recently produced seedlings, although their age was anything from 1 to 15, and even more, years. But how, and when, did these young plants come into existence? It was when the nomadic cultivator had loosened the soil and had thus weakened the hold on it of the grass roots that the parent seed germinated and that the resulting seedlings were able to establish themselves before they could be choked to death on the grass re-asserting itself after the migration of the cultivator to new ground. And why are young teak seedlings so rare now in our forests? Simply because the seedlings that spring up cannot get their roots down sufficiently deep into the soil to be able to survive the immediately ensuing long drought. In favourable years germination is of course abundant, but a complete holocaust of the young seedlings inevitably follows between November and June.

"Thus the regeneration of our scrub forests resolves itself exclusively and entirely into a question of getting rid of the grass for a few years, and the only practicable way of attaining such a desirable consummation is to admit the nomadic cultivator as our indispensable helpmate. . . . Sceptics have only to examine the numerous object lessons still afforded by fields abandoned within the last 20 years, many of which are covered with an impenetrable thicket of saplings and young poles of teak, tinsan, &c., than which nothing could be finer!"

24. The above remarks have received further corroboration from special observation recently made in the Melghat. Until a few months ago the belief had prevailed in Berar, and had never been questioned, that the excellent young teak to be met with in the Bairagarh Reserve was non-existent before, and is the direct outcome of protection against fire commenced 30 years ago, and the stoppage of squat cultivation some years later. Indeed, it has only quite recently been asserted that experience in the Melghat has proved that such protection must be continued for a period of 20 years before the conditions necessary for the successful reproduction of teak are brought about. The Bairagarh and Gughamal reserves were carefully examined last hot weather with a view to their verification. It was found (i) that the youngest teak plants are not less than 10 years old, and that with scarcely an exception these have come up only where the soil had been disturbed from some cause or other (cultivation, terracing for building, grazing, &c.), so that there was no close and heavy growth of grass to prevent the seeds from reaching the soil and germinating, and the seedlings thus produced from surviving; and (ii) that the first appearance of the vast majority of saplings dates back to the time when squat cultivation had not yet been excluded or had only just been stopped, so that the soil had not yet come under the undisputed régime of grass, and was hence still in a more or less fit condition to receive the teak seed. What appears to be a seedling a few years old (say about 20 inches high and 1½ inches in girth at the base) will when dug out disclose a thick round swelling just below the level of the root collar, and the average number of rings to be counted on a section through this swelling is 14, showing that as many years have elapsed since the establishment of the plant, i.e., at least 20 years since the parent seed germinated. When a sufficient number (at least 1,000) of young teak saplings have been dug out and measured and their rings counted, a special report will be submitted which will place beyond cavil the conclusions just recorded.

25. Where the bamboos seeded in 1900 and 1901 a sufficient crop of seedlings has come up.

(b) ARTIFICIAL REPRODUCTION.

26. With the exception of the resowing of the babul coupes of the year and the failures of previous years, the operations undertaken were not such as should have been attempted, and have accordingly given no results. In the Loni-Bhongaoon babul forests the sowings were, as in previous years since the present working-plan was sanctioned, a complete failure owing to the exclusion of grazing; the babul seedlings which came up were choked to death by the dense mass of weeds. From next year grazing will be allowed. Elsewhere grazing not having been excluded, the results have been satisfactory. For figures see appended Form 26.

27. From an examination of the Sipna valley teak plantations it is evident that a considerable area that was unsuitable for teak was planted up; also that it was a mistake to put down pure teak which was bound to form an over-congested growth at an early age, and at the same time to offer considerable difficulty to thinning operations. See also the immediately following paragraph.

(c) EXPERIMENTS.

28. Experimental thinnings were carried out in the teak plantations in the Sipna valley. As the results will only begin to be apparent next year, no remarks on the subject will be made in the present report.

(d) OPERATIONS FOR THE IMPROVEMENT OF THE GROWING STOCK.

29. *Thinnings.*—These operations were confined to babul forests. Early thinnings were made in young crops over an aggregate area of 519 acres in Loni, and a heavy thinning

amounting almost to a seed falling over 6 acres in Akhatwara. The yield was as follows:—
 Early thinnings (Loni) ... 50,065 stacked cubic feet.
 Final thinnings (Akhatwara) ... 140 tons.

30. *Cutting back badly grown young stock for an improved regrowth.*—Half-dead trees were so cut over in the area open to felling in the Jhirgarh Reserve, Ellichpur Division, and in the Pathrot Reserve, Wun Division, while in Amraoti 514 acres of scrub were gone over in the Chirori Reserve. The cultural results can only be reported next year.

SECTION V.—EXPLOITATION.

A.—SYSTEM OF EXPLOITATION.

(i) Of Major Forest Produce.

31. In the Ellichpur Division the sanctioned working-plan was adhered to in the Gughanul forests, whereas in Jhirgarh, owing to the necessity of disposing of the dead and dying tank trees throughout the reserve (see paragraph 19 above), the coupes of the year were, with the permission of the Local Government, closed to regular exploitation, and the removals were confined to those trees alone.

32. In the Loni-Bhongaon babul forests of the Balkani Division the prescriptions of the working-plan were carried out.

33. In the Penganga Reserve, Rasim Division, besides exploiting in accordance with the working-plan, dead and dying trees had also to be utilised from every part of the forest.

(ii) Of Minor Forest Produce.

34. There was no change of system, and no special remarks are here called for.

B.—OUTPUT.

35. *By Departmental Agency.*—Although such agency has been annually employed, the fact has never before been recorded. What has been thus collected for sale has been included among produce removed directly from the forests by purchase, while the large quantity of grass delivered at cost price every year to the Military Department at Ellichpur, and the timber, bamboos, and grass used in the construction and repair of Government buildings, &c., have been altogether omitted. Following the practice of previous years the divisional reports again return inaccurate and incomplete data, from which, however, merely as a commencement the following statement has been compiled. Obviously no comparison with previous years is possible:—

Major Produce.

Timber in the rough, logs	... c.ft.	25	} Partly for petty local sales to Public Departments in the Ellichpur Division, and partly for utilisation of otherwise almost unmarketable trees at Pathrot in the Wun Division. Babul thinnings.
Do. poles	... "	3,416	
Sawn or squared timber	... "	245	
Firewood	... "	49,065	

Minor Produce.

Bamboos	... No.	10,812	} For local sales to Public Departments in Ellichpur Division.
Fodder grass	... Tons	653	
Thatching grass	... Tons	2	} Supplied to Military Department at Ellichpur at cost price.
Luc	... lbs.	45	
Milda	... Tons	8	} Melghat Forests, Ellichpur Division.

36. *Direct Removals by Purchasers.*—The following are comparative figures for the past two years. Those for 1900-01, however, include some timber and bamboos and a considerable quantity of grass (see immediately preceding paragraph) exploited departmentally. Except for the number of bamboos and of cattle grazed, the figures are hardly even approximations:—

Description of produce.	1900-01.	1901-02.	More or less 1901-02.	Cause of increase or decrease.	
<i>Major Produce.</i>					
Timber in the rough, logs. cft..	7,404	3,160	- 4,244	A considerable portion of what appears as poles were really logs, and there was increase under both heads owing to the numerous dead and dying teak trees that had to be utilised as quickly as possible.	
Do. poles .. "	3 68,789	459,880	+ 90,591		
Sawn or squared timber .. "	64,052	169,235	+ 105,183	Old and stagnating teak trees were utilised at Patkotein, Wyn Division.	
Miscellaneous timber .. "	1,964	3,122	+ 1,158		
Fuel ... "	1,507,320	1,961,923	+ 454,593	Establishment of cotton ginning factories within access of large blocks of State-forests.	
<i>Minor Produce.</i>					
Bamboo. ... No.	2,018,378	2,728,597	+ 715,219	Returning prosperity after famine.	
Grazing. { Camels ... "	3	105	+ 102	Increase after the heavy losses by famine and drought.	
	Buffaloes ... "	56,278	79,304		+ 23,026
	Cows and bullocks .. "	294,668	423,368		+ 128,700
	Goats and sheep .. "	1,84,511	313,346		+ 128,835
	Other animals .. "	892	1,515	+ 623	
Fodder grass ... Tons.	* 38,374	56,430	+ 18,056	Probably includes also tikhari and thatching grass.	
Roots, edible fruits, and flowers ... "	2,584	1,026	- 1,558		
Leaves ... "	† 5,153	607	- 4,546	† Evidently an exaggeration.	
Gum ... "	624	41	- 583		
Lac ... lbs.	† 5,093	180	- 4,913	† This figure was shown as tons in the previous report, but obviously stands for lbs.	
Hulda ... Tons.	50	...	- 50	Departmental exploitation in 1901-02.	
Tikhari grass for oil.. "	|| ...	993	+ 993	|| This was included under fodder grass in 1900-01.	
Thatching grass ... "	|| ...	11	+ 11		
Minerals ... "	406	19,048	+ 15,042	Development under systematic management.	
Miscellaneous. { Thorns ... "	9,169	1,286	...	† This figure shown as tons in the previous year's report was evidently an exaggeration.	
		Horns ... "	1		...
		Honey and wax ... "
		Bark ... "	5		...
		Miscellaneous ... "	180		...

The timber consisted as usual exclusively of teak; other species are either not remarkable or do not attain the dimensions of timber.

37. *Free removals by Privilege-holders.*—The following comparative figures are given for what they are worth, being for the most part pure guesses, as it is impossible to check the hundreds of thousands of petty removals from over several thousand isolated patches of forest

scattered over the whole extent of the province—removals effected without passes, and at various times suiting the convenience of the privilege-holders. Comments explanatory of increases and decreases, as the case may be, would thus be useless:—

Description of produce.					1900-01.	1901-02.	More or less in 1901-02.
<i>Major Produce.</i>							
Timber	...	...	...	c.ft.	208,820	208,577	+ 4,748
Fuel...	...	...	...	"	924,806	935,872	+ 11,566
<i>Minor Produce.</i>							
Bamboos	...	...	...	No.	1,277,810	1,282,810	+ 5,000
Grazing	...	...	...	Rs.	70,789	65,458	— 5,331
Grass	...	...	...	"	1,742	1,501	— 151
Other minor produce	...	...	...	"	9,389	9,144	— 245

38. *Special free grants.*—The quantities given away during the two past years are compared, and the reasons for increase or decrease, as the case may be, explained below:—

Description of produce.			1900-01.	1901-02.	More or less in 1901-02.	Cause of increase or decrease.
<i>Major Produce.</i>						
Timber in the rough, poles	c.ft.		8,372	11,395	+ 3,023	Numerous poor villagers' houses were destroyed by fire, and wood had to be given to rebuild them.
Sawn or squared timber	"		...	545	+ 515	
Miscellaneous timber	"		...	1,381	+ 1,381	
Fuel	...	"	1,061	672	— 392	
<i>Minor Produce.</i>						
Bamboos	...	No.	98,125	22,050	— 76,075	Owing to returned prosperity after the famine few grants were called for.
Grazing. { Camels	...	"	12	...	— 12	
Buffaloes	...	"	7,918	898	— 7,025	
Cows and bullocks	...	"	35,197	6,751	— 28,446	
Sheep and goats	...	"	12,007	40	— 11,967	
Other animals	...	"	611	...	— 611	See explanation against timber.
Fodder grass	...	Tons.	16,477	3,597	— 12,880	
Roots and fruits	...	"	...	10	+ 10	
Leaves	...	"	189	...	— 189	
Thatching grass	...	"	...	112	+ 112	
Minerals	...	"	...	91	+ 94	
Bark	...	"	...	3	+ 3	

39. *Value of produce removed free.*—This is value of produce entered in the two immediately preceding statements as removed during 1901-02, and is thus estimated:—

Removed by.	Timber.		Fuel.		Bamboos.		Grazing.	Other minor produce.	Total value.
	C ft.	Value.	C ft.	Value.	No.	Value.	Value.	Value.	
Privilege-holders	203,577	Rs. 55,285	935,872	Rs. 16,087	1,282,810	Rs. 20,056	Rs. 67,019	Rs. 9,114	Rs. 197,621
Special free grants	18,331	815	672	10	22,050	173	3,692	238	4,903
Total	221,908	56,100	936,544	16,103	1,304,860	20,228	70,711	9,352	202,524

40. The figures in the statements given in paragraphs 35—38 above are here summarised:—

Description of produce.			Quantity.	Sources.
<i>Major Produce.</i>				
Timber in the rough, logs	...	c.ft.	3,188	From A Class forests only.
Timber in the rough, poles	...	"	474,191	From all classes of forests, but mostly from A.
Sawn or squared timber	...	"	170,025	From A Class forests only.
Miscellaneous timber	...	"	218,080	Chiefly from C-III Class forests.
Fuel	...	"	2,947,137	
<i>Minor Produce.</i>				
Bamboos	...	No.	4,013,769	A Class forests.
Grazing	Camels	...	105	Primarily C Class forests.
	Buffaloes	...	80,281	
	Cows and bullocks	...	718,468	
	Sheep and goats	...	318,519	
	Other animals	...	1,571	
Grass, fodder	...	Tons.	62,271	Primarily B Class forests.
Do thatching	...	"	125	
Do tikhari	...	"	993	Do A do.
Lac	...	lbs.	228	A Class forests.
Hilda	...	Tons.	8	
Roots and edible fruits and flowers	...	"	1,076	All classes of forests.
Leaves	...	"	607	
Gum	...	"	41	C Class forests.
Thorns	...	"	1,286	
Horns	...	"	1	C Class forests.
Bark	...	"	8	
Minerals	...	"	10,142	
Miscellaneous	...	"	150	

Chapter III.—Financial Results.

41. In the subjoined statement the receipts and expenditure of the year are compared with those of the previous year and with the averages of the five preceding years:—

Year.	Receipts.	Expenditure.			Surplus.
		Under A heads.	Under B heads.	Total	
	Rs.	Rs.	Rs.	Rs.	Rs.
Average of 1896-97—1900-01	4,27,897	93,739	1,46,806	2,89,685	1,88,212
1900-01	3,71,145	81,528	1,56,505	2,88,031	1,38,114
1901-02	4,89,487	99,885	1,42,041	2,11,926	2,74,511

The gross revenue of the year under report is the fourth largest ever realised, while the net revenue has been exceeded only twice. Considering that the immediate pressure of famine had ceased only a year previously and that the aggregate value of produce given away free exceeded two lakhs (i.e., fell short of the amount given away free during the last famine year by less than Rs. 16,000), the results obtained must be considered eminently satisfactory.

The following comparative analysis of the year under report and of the three years in which the gross revenue was higher will be found interesting :—

Percentage on gross revenue of	1890-91.	1891-92.	1895-96.	1901-02.	Cause of increase or decrease and other remarks.
Revenue from major produce.	45	42	34	44	The increase in the percentage for revenue from major produce is a healthy sign, and there is every prospect of its being maintained.
Revenue from minor produce.	55	57	65	54	
Expenditure under A-VII ...	3.0	3.7	3.0	2.4	Decrease due to limitation of expenditure to absolutely indispensable and urgent needs.
Do do A-VIII.	1.5	1.6	2.8	3.1	Steady increase due to extension of areas as well as to increasing difficulty of procuring labour for fire-tracing owing to simultaneous demand for it in the fields.
Do do A-VIII ..	2.3	2.6	5.0	4.2	The figure is still too low for sylvi-cultural needs.
Do do B-I ...	16	16	22	24	Increased staff sanctioned since 1895-96.
Net revenue ...	65	61	54	57	These percentages all exceed what is considered sufficient, viz., 50

42. The amount of revenue outstanding at the close of 1901-02 is Rs. 18,461-12-3 as against nil shown for 1900-01. Until the year under report the only revenue entered in column 6 of Form 9 (Form 7 was never used, as sales of departmentally exploited produce were invariably, as stated in paragraph 35 above, recorded in Form 9) was what was actually realised during the month in question, so that outstandings (and these were always many) were never brought into account, and Form No. 10 was accordingly always blank and never submitted by Divisional Officers.

43. Departmental operations, although undertaken to a less or greater extent every year, were, until the year under report, never treated as such, and both the revenue and expenditure were classified under Major Head II instead of I. Also see paragraph 35 above. As the prescriptions of the Forest Department Code are now followed, undisposed of produce on hand is shown for the first time (Form No. 80-A).

Chapter IV.—Administration.

44. Mr. Bagshaw resumed charge of the circle from Mr. A. L. McIntire, Officiating Conservator, on 9th August 1901, and resigned it to the writer of this report on 21st November after a service of just over 32 years, during which he earned the special thanks of Government on several occasions and a well deserved reputation for careful administration in close sympathy with the people.

45. *Relations between Revenue and Forest Officers.*—The most important event of the year was the change in the relations between Revenue and Forest Officers introduced by Residency Book Circular No. X, dated the 15th May 1901, which has superseded Book Circular No. IX, dated the 26th July 1898. Under this latter circular the Conservator could not communicate direct with Divisional Officers, all official correspondence being only with the Deputy Commissioners. By the new circular direct communication has been established between the Conservator and the Divisional Officers, letters on certain specified subjects passing under flying docket through the Deputy Commissioners. The status of Divisional Officers has thus been considerably improved.

46. *Reorganisation of the Clerical Staff.*—Another event of capital moment was the introduction from 1st April last of the new scale of clerical establishments sanctioned by Revenue and Agriculture Department letter No. 51-F., dated the 3rd January 1901. It is now possible to allot a clerk to every important range, and thus enable the Range Officer to devote more time and attention to his out-door work.

47. *Service of Officers.*—All officers did their best, and it would be invidious to single out individuals for special praise. The eminently satisfactory results attained constitute the best criterion of the high value of the services rendered by them individually and collectively.

48. *Conduct of the Executive, Protective, and Clerical Staff.*—Reference to Appendix C will show that there is much room for improvement among members of the Executive and

Protective establishments and office orderlies. The Ranger who was dismissed was found guilty of, among other offences, borrowing money from the Patel of the village in which his head-quarters were fixed and cultivating without permission land situated in the same village, and impressing the villagers' bullocks for such cultivation. It is certain that a large proportion of the out-door staff are given to these irregular practices, and the utmost vigilance is called for from Divisional Officers to suppress them. The clerks in the Divisional offices, including the Division Division, although they are a hard-working body of men, have still much to learn in the matter of procedure and ordinary routine.

49. *Casualties*.—The year was on the whole a healthy one, and we have to record only three deaths, all of Forest guards. One Deputy Ranger and one Forester whose health had been failing for some time were invalided.

50. *Inspection of Divisional Officers*.—All Divisional officers were inspected during the year.

Chapter V.—General.

51. *Criminal suits*.—A Patel, who was also one of our license vendors, fell ill and appropriated toke trees from State-forest situated partly outside and partly in his village. He was prosecuted and punished with imprisonment. Appeals made by him both to the Sessions Court and to that of the Judicial Commissioner were rejected. On release from prison he was dismissed from the patelship.

52. *Elephants*.—Owing to financial pressure the Ellichpur Division elephant, which died some years ago, was still not replaced. There were thus only two elephants in the circle attached respectively to the Division and Wun Divisions.

53. *Leases for the extraction of Tiltara Grass Oil*.—Instead of giving the lease for the Ellichpur Division as heretofore to a single individual or firm, the Forest Department for the year 1902-03 divided off into ten convenient blocks, each of which was put up separately to auction in March last. A spirit of competition was thus created, and the total of the bids accepted amounted to Rs. 9,050 as against Rs. 4,600 realised at the auctions of 1901-02. There is now a steady demand for such leases also in the Hullan and Ameroi Divisions, although the grant does not cover a large aggregate area there, and for the first time the grant in the Wun Division has been leased for 1902-03 for Rs. 250, exclusive of the price which will be paid by the lessee for the fuel used by him at his stills. In the leases in other divisions the price of the wood is included in the lease money.

54. *Disforestation of the Chikaldia Station Block*.—The area occupied by Chikaldia Station (637 acres), which was declared State-forest in 1935, was disforested during the year in order to place it exclusively under the control of the Revenue authorities.

55. *Valuation of Trees standing on Survey No. 1 to be given up for Cultivation*.—In the Basim and Wun Divisions, where large areas of reserved woods still remain to be occupied, the trees on land to be allotted are counted by Forest officials and their value is evaluated in accordance with a tariff drawn up by the Commissioner, the money realised going to the Revenue Department. In Wun the areas are extensive, and as the work has hence to be done on a large scale, temporary foresters are employed for this purpose, their salaries being recovered from the Revenue Department.

56. *Improvement of the Water-supply in the Melghat*.—We have to thank the Public Works Department for considerable help rendered in improving the supply of potable water in the Melghat. We constructed at their expense 15 new wells for an aggregate outlay of Rs. 1,910-0-2 and effected repairs costing Rs. 191-0-2.

B. E. FERNANDEZ,

Commissioner of Forests, Hyderabad Assigned Districts.

APPENDICES.

ANNUAL FORM No. 46.—(PRESCRIBED).—Area of

Division.	Range.	Civil district.	Name of forest.	Area on 1st July 1901.		Added during the year.	
				Acres.	Equiva- lent in square miles.	Acres.	
Ellichpur Division.			CLASS A, DIVISION II.— Timber and Fuel Reserves.				
	Chikaldia	Ellichpur district	Chikaldia Reserve	23,567	37	...	...
						(b) 4,579	
	Gughamal	Akola do	Narnala	472,743	738	...	...
	Various	Ellichpur do	Remaining A forests	498,310	775	4,579	
			Total A				
			CLASS B.—Grass Reserves (Rumnae).				
	Ellichpur	Ellichpur district	Ellichpur taluq	95	...	...	?
	Various	Do.	Remaining B forests	3,592	6	...	
			Total B	3,687	6	...	
			CLASS C.—Pasture Reserves.				
	Ellichpur	Ellichpur district	Ellichpur taluq	21,134	33	...	...
	Akot	Akola do	Akot do	...	...	(c) 2,239	
	Various	Ellichpur do	Remaining C forests	460,686	730	...	...
Amraoti Division.			Total C	467,820	763	2,239	
			Total Ellichpur Division	987,817	1,544	6,518	
			CLASS A.—Timber and Fuel Reserves.				
	Morsi-Warur	Amraoti district	Lakhara Reserve	2,179	5	(a) ... 128	
	Morsi-Bairam	Do.	Morsi taluq	1,880	2	(b) ... 1,955	
	Chandur	Do.	Chandur do	30,455	48	(c) ... 5	
	Various	Do.	Remaining A forests	35,014	55	2,091	
			Total A				
			CLASS B.—Grass Reserves (Rumnae).				
	Morsi-Bairam	Ellichpur district	Ellichpur taluq	16,311	25	(d) ... 18	
	Various	Amraoti do	Remaining B forest	16,311	25	...	18
			Total B				

ESTS.

State-forests in 1901-02 (Forest year).

Excluded or transferred to other hands.	Area on 30th June 1902.		No. and date of Notification of a ldition or transfer, &c.	Remarks.
	Acres.	Equivalent in square miles.		
(a) 637	22,930 ³	36	(a) No. 52, dated 13th April 1902.	A. g.
...	4,570	7	No. 53, dated 13th April 1902.	636 37 Chikalda Station Block disforested.
...	472,743	738	(b) No. 359, dated 19th November 1901.	4,197 31 Transferred from Bullana Division.
637	500,252	781	No. 315, dated 4th November 1901.	391 24 Transferred from C to A Narrales State-forest.
				4,579 15
(c) 18	77	...	(c) No. 376, dated 18th December 1901.	19 11 Transferred to Amraoti Division.
...	3,502	0		
18	3,069	6		
(d) 10,931	10,203	16	(d) No. 376, dated 18th December 1901.	10,931 18 Transferred to Amraoti Division.
(f) 392	1,517	3	(e) No. 199, dated 4th June 1901.	2,238 20 Transferred from Buldana Division.
...	466,686	730	(f) No. 315, dated 4th November 1901.	391 24 Transferred to A Narrales State-forest.
11,323	478,736	719		
11,978	982,637	1,536		
...	3,807	5	(a) No. 231, dated 5th July 1901.	127 37 Transferred from C-I.
...	1,555	8	(b) No. 8, dated 15th January 1902.	1,954 25 Transferred from C-I, Babul bans and grazing land.
...	1,388	2	(c) No. 157, dated 19th June 1902.	8 19 Transferred from C-I, Babul bans.
...	30,455	48		
...	37,103	58		
...	18	...	(d) No. 376, dated 18th December 1901.	18 11 Transferred from Ellichpur Division.
...	16,311	25		
...	16,322	25		

ANNUAL FORM No. 46.—(PRESCRIBED).—Area of

Division.	Range.	Civil District.	Name of forest.	Area on 1st July 1901.		Added during the year.
				Area.	Equivalent in square miles.	
Amraoti Division—contd.			CLASS C.—Pasture Reserves.			
	Chandur taluq ...	Amraoti district ...	Chandur taluq ...	32,578	51	...
	Morsi-Bairam ...	Do. ...	Morsi do ...	44,278	69	...
	Do. ...	Ellichpur district ...	Bairam grazing forest ...	...	...	(g) 10,981
	Various ...	Amraoti do ...	Remaining C forest ...	28,069	44	...
			Total C ...	1,04,925	164	10,981
			Total Amraoti Division ...	1,56,250	244	18,040
			CLASS A.—Timber and Fuel Reserves.			
	Ghat Bori ...	{ Akola district ... Do ... Buldana district ... Basim do ... }	Ghat Bori. { Balapur taluq. Khimgaon do... Mehkar do... Basim do ... }	{ 51,937 481 18,850 853 }	{ 82 }	{ (d) 324 }
	Buldana Division.	Ambabarwa ...	{ Akola district ... Ellichpur do ... }	Ambabarwa. { Jalgaon do ... Melghat do ... }	{ 19,153 21,276 }	{ 55 }	{ ... (e) 1 }
Morna ...		Akola do ...	Morna Akola do ...	16,288	25	...
		Do. ...	Balapur do ...	11,070	17	(d) 6,826
Medsi ...		...	Medsi ...	...	...	...
		Basim district ...	Basim do ...	...	...	(d) 7,155
Chikhli-Mehkar...		Basim do ...	Mohaja, Basim taluq ...	...	...	(g) 2,109
	Purna ...	Akola do ...	Loni-Bhong- gaon. { Akola taluq. Balapur do... Khimgaon do ... }	{ 492 559 1,936 }	{ 5 }	{



ESTS.

State-forests in 1901-02 (Forest year)—continued.

Excluded or transferred to other heads.		Area on 30th June 1902.		No. and date of Notification of addition or transfer, &c.	Remarks.
Acres.	Acres.	Acres.	Equivalent in square miles.		
(e) 8	32,570	51		(e) No. 159, dated 19th June 1902.	A. 8 19 Transferred to A.
(f) 2,104	42,174	66		(f) No. 8, dated 15th January 1902.	1,954 25 Transferred to A.
				No. 231, dated 5th July 1901.	127 37 Transferred to A, Lankhara Reserve.
				No. 207, dated 20th July 1901.	21 13 Disforested.
					2,108 35
...	10,931	17		(g) No. 376, dated 18th December 1901.	10,931 18 Transferred from Ellichpur Division.
...	28,009	44			
2,112	119,714	178			
2,112	207,178	161			
...	31,937	82		(a) No. 150, dated 10th June 1902.	152 12 Transferred from C-I, Basim Division.
...	484			No. 152, dated 16th June 1902.	171 25 Do C-II, do.
...	18,880				323 37
...	1,177				
...	18,158	55		(b) No. 193, dated 25th April 1898.	1 0 Area less shown in last year's report.
...	21,277			(c) No. 190, dated 4th June 1901.	16,283 30 Transferred to Malegaon Range, Basim Division.
(e) 16,283	...	...		(d) No. 109, dated 4th June 1901.	5,771 34 Transferred from Basim Division.
...	17,396	38		No. 312, dated 18th December 1900.	460 33 Less shown in last year's report.
					93 0 Difference of Kosegaon less shown.
					6,325 32
(f) 4	7,151			(e) No. 151, dated 16th June 1902.	87 31 Transferred from C-I, Basim Division.
				No. 153, dated 10th June 1902.	1,273 0 Do C-II, do.
				No. 199, dated 4th June 1901.	5,793 30 Do Basim Division.
					7,151 27
				(f) No. 147, dated 16th June 1902.	4 0 Disforested.
...	2,109	3		(g) No. 190, dated 4th June 1901.	2,108 31 Mohaja Reserve transferred from Basim Division.
...	492	4			
...	559				
...	1,946				

Division.	Range.	Civil district.	Name of forest.	Area on 1st July 1901.		Added during the year.
				Acres.	Equivalent in square miles.	Acres.
Buldana Division—continued.			CLASS A.—Timber and Fuel Reserves—contd.			
	Jalgaon	Akola district	Jalgaon ... { Khamgaon taluq Jalgaon do... Akot do...	.199 1,918 .323	3	... ... (h) 4,188
	Geru Matergaon...	Buldana do	Geru Matergaon	64,831	101	(j) 3,194
	Amdari	Do	Amdari Gumi	28,057 5,945	45 9	(i) 122 (n) 414
			Total A	218,209	341	23,833
			CLASS B.—Grass Reserves (Runnar).			
	Purna	Akola district	Akola taluq	5,300	8	...
	Chikuli	Buldana do	Chikhli do	1,103	2	...
	Mehkar	Do	Malkapur do	290	...	...
	Various	Akola and Buldana districts.	Remaining B forests	3,804	7	...
			Total B	10,599	17	...
			CLASS C.—Pasture Reserves.			
	Akola taluq	Akola district	Akola taluq	27,609	44	...
	Balapur do	Do	Balapur do	9,130	14	(e) 724

ESTS.

State-Forests in 1901-02 (Forest year)—continued.

Excluded or transferred to other heads.	Area on 30th June 1902.		No. and date of Notification of addition or transfer, &c.	Remarks.
	Arees.	Equivalent in square miles.		
...	199	8	(k) No. 344, dated 4th November 1901. No. 375, dated 18th December 1901. (i) No. 353, dated 18th November 1901.	A. S.
(i) 4,188	1,318			4,187 31 Government land newly added.
	826			4,187 31 Transferred to Ellichpur Division.
(k) 41	67,984	108	(j) No. 240, dated 9th July 1901. No. 297, dated 30th August 1901. No. 245, dated 9th July 1901. No. 249, dated 9th July 1901.	126 36 Government land newly added. 26 12 Transferred from C-I. 3,040 21 Do Amdari A.
				3,193 29
(m) 3,041	25,738	40	(k) No. 250, dated 9th July 1901.	41 7 Correction of area.
...	6,359	10	(l) No. 241, dated 9th July 1901. No. 236, dated 30th August 1901. No. 244, dated 9th July 1901.	98 30 Government land newly added. 23 5 Transferred from C-I.
				121 35
			(m) No. 249, dated 9th July 1901.	3,010 21 Transferred to Geru Matergaon State-forest A.
			(n) No. 247, dated 9th July 1901.	414 15 do from B.
23,557	218,485	341		
(o) 607	4,693	7	(o) No. 199, dated 4th June 1901.	608 23 Transferred to Malegaon Range, Basim Division.
(p) 414	4,213	1	(p) No. 247, dated 9th July 1901.	414 17 Transferred to A.
(q) 233	57	...	(q) No. 246, dated 9th July 1901.	232 31 Transferred to C-I.
...	3,864	7		
1,254	9,335	15		
(r) 16,363	11,406	18	(r) No. 199, dated 4th June 1901.	16,363 8 Transferred to Malegaon Range, Basim Division.
(s) 114	9,730	15	(s) No. 199, dated 4th June 1901.	724 17 Transferred from Basim Division.
			(t) ...	112 0 Excess shown in last year's report. 2 0 Due to fraction.
				114 0

FOR

ANNUAL FORM No. 48.—(PRESCRIBED).—Area of

Division.	Range.	Civil district.	Name of forest.	Area on 1st July 1901		Added during the year.
				Acres	Equivalent in square miles.	Acres.
Buldana Division—continued.			CLASS C.— <i>Pasture Reserves</i> — contd.			
	Akot taluq ...	Akola district ...	Akot taluq ...	2,610	4	...
	Basim do ...	Basim do ..	Basim do ...	940	2	(e) 8,010
	Chikhli do ...	Buldana do ...	Chikhli do ...	46,177	78	(e) 56
	Mehkar do ...	Do ..	Mehkar do ...	31,225	49	...
	Malkapur do ...	Do ...	Malkapur do ...	2,508	13	(a) 276

ESTS.

State-forests in 1901-02 (Forest year)—continued.

Excluded or transferred to other heads.	Area on 30th June 1902.		No. and date of Notification of addition or transfer, &c.	Remarks.	
	Acres.	Equivalent in square miles.			
(u) 2,239	401	1	(a) No. 192, dated 4th June 1901.	A. 2,238 26	Transferred to Elliehpur Division.
(w) 5,301	8,649	6	(r) No. 199, dated 4th June 1901.	102 2	(C-I) Transferred from Basim Division.
				3,368 1	(C-II) (Area of 10 villages, Mohoja Reserve.)
				243 26	(C-I) Transferred from Basim Division.
				4,495 39	(C-II) Transferred from Basim Division, Medsi Reserve.
				8,009 23	
			(w) No. 145, dated 16th June 1902.	2,912 14	Disforested.
			No. 146, dated 16th June 1902.	82 2	
			No. 148, dated 16th June 1902.	461 1	
			No. 149, dated 16th June 1902.	170 27	
			No. 150, dated 16th June 1902.	152 12	Transferred to
			No. 151, dated 16th June 1902.	87 31	
			No. 152, dated 16th June 1902.	171 25	
			No. 153, dated 16th June 1902.	1,273 6	
				5,300 33	
(y) 1,402	44,831	70	(a) No. 243, dated 9th July 1901.	55 29	Government land newly added.
			No. 300, dated 30th August 1901.	1,111 39	Disforested.
			(y) No. 233, dated 9th July 1901.	268 36	
			No. 239, dated 9th July 1901.	21 0	Correction of area.
				1,401 35	
(c) 451	30,774	48	(a) No. 236, dated 9th July 1901.	450 34	Disforested.
(b) 783	7,993	12	(a) No. 242, dated 9th July 1901.	43 25	Government land newly added.
			No. 299, dated 30th August 1901.	232 31	Transferred from B.
			No. 246, dated 9th July 1901.	276 10	

FOR

ANNUAL FORM No. 46.—(PRESCRIBED).—Area of

Division.	Range.	Civil district.	Name of forests.	Area on 1st July 1901.		Added during the year.
				Acres.	Equiva- lent in square miles.	Acres.
Buldana Division.— <i>contd.</i>	Various	Akola and Buldana districts.	CLASS C.— <i>Pasture Reserves</i> — <i>contd.</i> Remaining B forests ...	30,984	48	...
			Total C ...	157,251	247	9,086
			Total Buldana Division ...	386,049	605	32,899
			CLASS A.— <i>Timber and Fuel Reserves.</i>			
	Kinwat	Basim district	Kinwat Reserve ...	112,587	170	(a) 333
Basim Division.	Medsi	Do	Medsi Reserve { Basim taluq ...	5,794	18	{ ...
	Basim	Akola district	{ Basim taluq ...	6,238		
	Basim	Basim do	Mohaja Reserve ...	2,109	3	{ ...
	Penganga	Do	Gungamal Reserve ...	7,455	12	(d) 904...
	Mangrol	Do	Palodi Reserve ...	6,690	11	(e) ...
	Malegaon	Akola district	Morna Reserve ...	...	...	(f) 16,284
	Various	Basim do	Remaining A forests ...	34,804	54	...
			Total A ...	175,472	274	17,521
			CLASS B.— <i>Grass Reserves</i> — <i>(Ramnas).</i>			
	Malegaon	Basim district	Akola taluq ...	...	...	(g) 607
	Various	Do	Remaining B forests ...	12,373	10	...
			Total B ...	12,373	19	607
			CLASS C.— <i>Pasture Reserves</i>			
	Basim	Basim district	Basim taluq ...	73,700	115	...

ESTS.

State-forests in 1901-02 (Forest year)—continued.

Excluded or transferred to other heads.	Area on 30th June 1902.		No. and date of Notification of addition or transfer, &c.	Remarks.	
	Acres.	Equivalent in square miles.			
...	30,964	48	(b) No. 237, dated 9th July 1901.	786 15	Disforested.
			No. 244, dated 9th July 1901.	23 5	} Transferred to A.
			No. 245, dated 9th July 1901.	26 12	
				785 32	
28,656	199,601	216			
51,467	367,481	574			
...	113,220	177	(a) No. 12, dated 18th January 1902.	388 8	Government land newly added.
			No. 58, dated 28th February 1902.		
(b) 5,792	...	...	(b) No. 199, dated 4th June 1901.	5,793 30	} Medsi Range transferred to Buldana Division.
(b) 6,233	...	...	(c) No. 199, dated 4th June 1901.	6,232 32	
(c) 2,109	...	...	(d) No. 202, dated 6th June 1901.	2,108 31	Mohaja Reserve transferred to Buldana Division.
...	8,350	13	No. 260, dated 15th July 1901.	903 23	Government land newly added.
...	6,690	11	(e) No. 224, dated 26th August 1901.	0 10	Correction of area.
...	16,284	25	(f) No. 199, dated 4th June 1901.	10,283 30	Transferred from Buldana Division.
...	34,304	54			
14,186	178,857	280			
...	607	1	(g) No. 199, dated 4th June 1901.	606 23	Transferred from Buldana Division.
...	12,373	19			
...	12,980	20			
(h) 8,010	65,690	103	(h) No. 199, dated 4th June 1901.	345 28 (C-I)	} Transferred to Buldana Division.
				7,664 0 (C-II)	
				8,009 28	

Division.	Range.	Civil district.	Name of forest.	Area on 1st July 1901.		Added during the year.	
				Acres.	Equivalent in square miles.	Acres.	
Basim Division— <i>contd.</i>	Penganga ...	Basim district ...	Pusad taluq ...	153,162	239	(s) 2,614	
	Mangrul ...	Do ...	Mangrul do ...	73,185	114	(k) ...	
	Medai ...	Akola district ...	Balapur do ...	724	1	...	
	Malegaon ...	Do ...	Akola do ...	...	...	(r) 16,368
	Total C ...			300,771	469	18,977	
	Total Basim Division ...			488,616	762	37,105	
CLASS A.— <i>Timber and Fuel Reserves.</i>							
Wun Division.	All ...	Wun district ...	All Reserves ...	146,987	230	...	
	Total A ...			146,987	230	...	
	CLASS B.— <i>Grass Reserves (Bumras).</i>						
	Wun ...	Wun district ...	Babapur, Wun taluq ...	1,597	2	...	
	Wun ...	Do ...	Mahakalpur, do ...	673	1	...	
	Various ...	Do ...	Remaining B forests ...	11,243	18	...	
Total B ...			13,513	21	...		
CLASS C.— <i>Pasture Reserves.</i>							
Wun Division.	Wun ...	Wun district ...	Wun taluq ...	80,773	126	(c) 4,542	
	Various ...	Do ...	Remaining C forests ...	269,855	421	...	
	Total C ...			350,628	547	4,542	
	Total Wun Division ...			511,128	798	4,512	
	Total A ...			1,071,898	1,675	48,024	
	Total B ...			58,473	88	1,025	
Total C ...			1,401,895	2,180	45,755		
Total Circle ...			2,529,860	3,953	94,404		

ESTS.

State-forests in 1901-02 (Forest year)—concluded.

Excluded or transferred to other heads.	Area on 30th June 1902.		No. and date of Notification of addition or transfer, &c.	Remarks.
	Acres.	Equivalent in square miles.		
(j) 2	155,774	243	(e) No. 203, dated 6th June 1901. No. 261, dated 15th July 1901.	2,618 82 Government land newly added.
			(j) No. 354, dated 13th November 1901. No. 377, dated 21st December 1901.	
...	73,185	114	(k) No. 160, dated 19th June 1902.	2 9
(i) 724	...	...	(l) No. 199, dated 4th June 1901.	0 10 Correction of area.
...	16,868	26	(m) No. 199, dated 4th June 1901.	724 17 Transferred to Buldana Division.
8,736	311,012	486		16,868 8 Transferred from Buldana Division.
22,872	502,849	786		
...	146,987	230		
...	146,987	230		
(a) 1,597	...	...	(a) No. 314, dated 24th September 1901. No. 315, dated 24th September 1901.	755 21 Transferred to C-I.
(b) 673	...	...	(b) No. 315, dated 24th September 1901.	841 0 Disforested.
...	11,243	18		1,596 21
2,370	11,243	18		672 29 Disforested.
(d) 3,138	82,177	128	(c) No. 314, dated 24th September 1901. No. 313, dated 24th September 1901. No. 346, dated 5th November 1901.	755 21 Transferred from B.
...	269,855	421	(d) No. 312, dated 24th September 1901.	3,786 31 Government land newly added.
3,138	852,032	549		4,542 12
5,408	510,262	797		
38,330	1,081,686	1,690		
3,542	59,556	84		
51,965	1,395,185	2,130		
93,837	2,530,427	3,954		

Abstract of changes in State-forests, 1901-02.

					Gain.	Loss.	Net.	
							Gain.	Loss.
<i>State-forests A.</i>					Acres.	Acres.	Acres.	Acres.
Government land newly added	...	...	...	...	5,650	...	...	...
Transferred from c-I	...	...	...	...	2,772	...	...	...
Do. c-II	...	...	...	...	1,445	...	...	...
Do. B	...	...	...	...	414	...	...	...
Area of Kosegaon A forest (Buldana Division) omitted from last year's report.					93	...	...	...
Correction of area	...	...	...	...	...	41	...	...
Disforested	...	...	...	...	...	641	...	...
Total					10,874	682	9,692	...
<i>State-forests B.</i>								
Transferred to A	...	...	...	...	...	414	...	...
Do. C	...	...	...	...	...	988	...	...
Disforested	...	...	...	...	...	1,514	...	...
Total					...	2,916	...	2,916
<i>State-forests C.</i>								
Transferred to A	...	...	...	...	...	4,217	...	...
Do. from B	...	...	...	...	...	988	...	...
Government land newly added	...	...	...	...	...	501	...	...
Area of Kosegaon C forest (Buldana Division) excess shown in last year's report					...	112	...	...
Correction of area	...	...	...	...	...	23	...	...
Disforested	...	...	...	...	...	9,346	...	...
Total					7,489	13,698	...	6,209
GRAND TOTAL					17,863	17,296	69,692	9,125
Net					...	...	567	...

FORESTS.

Abstract of Form 46 showing area of State-forests in each Forest Division on the 30th June 1902.

Division.	Name of taluq.	A Class.		B Class.		C Class.								Grand Total.	
						I.		II.		III.		Total.			
Ellichpur.	Ellichpur	...	...	77	...	10,303	16	...	...	...	...	10,303	16	10,303	16
	Daryapur	...	...	...	...	2,068	5	...	...	...	...	2,068	5	2,068	5
	Melghat	496,678	774	3,593	6	...	...	...	...	463,723	725	463,723	725	969,988	1,505
	Akot	4,570	7	...	...	1,847	3	...	...	...	...	1,847	3	6,426	10
	Total	500,252	781	3,669	6	15,013	24	...	...	463,723	725	478,736	749	982,657	1,536
Amroli.	Amroli	4,210	7	9,113	14	17,274	27	...	...	...	...	17,274	27	30,596	48
	Chandur	9,123	14	1,461	2	32,570	51	...	...	...	...	32,570	51	43,153	67
	Morni	21,401	33	858	1	42,174	66	...	...	...	...	42,174	66	64,438	100
	Murtapur	2,373	4	4,890	8	10,705	17	...	...	...	...	10,705	17	18,047	29
	Ellichpur	...	...	18	...	10,931	17	...	...	...	...	10,931	17	10,949	17
Total	37,103	68	16,329	26	113,744	178	...	...	...	...	113,744	178	167,178	261	
Buldana.	Melghat	21,277	33	...	...	...	...	...	...	...	...	...	...	21,277	33
	Akola	492	1	4,693	7	11,306	18	...	...	...	...	11,306	18	16,491	26
	Balapur	49,892	78	98	...	9,740	15	...	...	...	...	9,740	15	59,730	93
	Khamgaon	2,429	4	2,528	5	7,569	12	...	...	...	...	7,569	12	12,726	21
	Jalgaon	14,471	23	...	...	13,038	20	...	...	...	...	13,038	20	27,509	43
	Akot	326	...	186	...	401	1	...	...	...	...	401	1	913	1
	Chilhlhi	71,760	112	721	1	44,881	70	...	...	...	...	44,881	70	117,312	183
	Mehkar	18,930	30	1,053	2	41,131	64	...	...	...	...	41,131	64	61,063	96
	Malkapur	23,321	41	57	...	7,896	13	...	...	...	...	7,896	13	36,374	56
	Basim	10,137	16	...	...	281	1	3,368	5	...	...	3,649	6	14,086	22
	Total	218,456	341	9,335	15	130,293	213	3,368	5	...	...	130,661	218	367,481	574
Basim.	Basim	2,635	4	172	...	14,883	23	50,807	80	...	...	65,690	103	68,487	107
	Pusad	145,651	223	8,365	13	79,894	124	76,110	119	...	...	155,774	243	309,810	486
	Mangrul	14,372	22	3,830	6	42,493	66	30,693	48	...	...	73,186	114	91,298	142
	Akola	16,384	25	607	1	15,363	25	...	...	...	...	16,363	26	33,254	52
	Total	178,887	290	12,930	20	153,073	239	157,910	247	...	...	311,013	486	502,849	786
Wun.	Yestunal	85,110	55	1,406	2	64,254	100	...	...	...	...	64,254	100	100,770	167
	Dharwah	82,536	50	1,450	3	129,262	203	...	...	...	...	129,262	203	163,247	256
	Kelapur	60,532	95	2,626	4	76,339	119	...	...	...	...	76,339	119	139,497	218
	Wun	18,810	30	5,761	9	82,177	129	...	...	...	...	82,177	129	106,743	167
	Total	146,987	230	11,243	18	332,032	549	...	...	...	...	332,032	549	510,263	787
GRAND TOTAL...		1,081,689	1,690	53,556	84	770,154	1,203	161,808	252	463,723	725	1,395,185	2,160	2,530,137	3,954

FORESTS.

Abstract of Form 46 showing area of State-forests in each district on the 30th June 1902.

District.	Name of taluq.	A Class.		B Class.		C Class.								Grand Total.	
						I.		II.		III.		Total.			
		Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.	Acres.	Sq. m.
Ellichpur	...	...	...	95	...	21,134	33	...	...	...	...	21,134	33	21,229	33
	Daryapur	...	...	...	...	2,963	5	...	...	...	...	2,963	5	2,963	5
	Melghat	516,949	807	3,592	6	...	...	...	...	463,723	725	463,723	725	981,264	1,538
	Total	516,949	807	3,687	6	24,097	38	...	...	463,723	725	487,830	783	1,008,456	1,578

Amraoti	...	4,210	7	9,112	14	17,274	27	...	...	...	...	17,274	27	30,696	48
	Chandur	9,122	14	1,161	2	32,570	51	...	...	...	...	32,570	51	43,153	67
	Morsi	21,401	33	858	1	42,174	66	...	...	...	...	42,174	66	64,438	100
	Mortazapur	2,373	4	4,880	8	10,795	17	...	...	...	...	10,795	17	18,047	29
	Total	37,105	58	16,311	25	102,813	161	...	...	...	...	102,813	161	156,229	244
Akola	...	16,776	26	5,300	8	27,659	44	...	...	...	...	27,659	44	49,745	78
	Ralsapur	40,892	78	98	...	9,740	15	...	...	...	...	9,740	15	59,730	93
	Khamgaon.	2,629	4	2,528	5	7,569	13	...	...	...	...	7,569	13	12,736	21
	Jalgaon	14,471	23	...	...	13,038	20	...	...	...	...	13,038	20	27,509	43
	Akot	4,905	7	186	...	2,348	4	...	...	...	...	2,243	4	7,339	11
	Total	88,673	138	8,112	13	63,364	95	...	...	...	...	60,204	95	157,049	246
Chikhli	...	71,760	112	721	1	44,531	70	...	...	...	...	44,831	70	117,312	183
	Mehkar	18,780	30	1,052	2	41,131	64	...	...	...	...	41,131	64	61,063	96
	Malkapur..	28,821	44	57	...	7,996	12	...	...	...	...	7,993	12	36,374	56
	Total	118,961	186	1,830	3	93,958	146	...	...	...	...	93,959	146	214,749	335

Basim	...	13,053	20	172	...	15,164	24	...	...	...	...	69,320	109	82,572	123
	Pusad	145,671	223	8,365	13	79,334	124	...	...	...	...	155,774	245	309,510	435
	Mangral	14,277	22	3,336	6	42,492	68	30,693	48	...	...	73,185	114	91,298	143
	Total	173,010	271	12,373	19	136,990	214	161,308	253	...	...	208,298	466	433,081	766

Yeotmal	...	35,110	55	1,403	2	64,354	100	...	...	...	...	64,234	100	100,770	157
	Darwha	32,535	50	1,450	3	129,232	203	...	...	...	...	129,262	203	163,217	255
	Kelapur	60,533	95	2,526	4	76,339	119	...	...	...	...	76,339	119	139,497	218
	Wan	18,810	30	5,761	9	82,177	128	...	...	...	...	82,177	128	105,748	167
	Total	146,987	230	11,343	18	352,032	549	...	...	...	...	325,032	549	510,262	797
GRAND TOTAL		1,081,688	1,680	53,556	84	770,154	1,203	161,308	253	463,723	735	1,395,185	2,160	2,530,427	3,954

FORM No. 48.

ESTS.

Maintenance of Boundaries, 1901-02.—(Forest year.)

Length of boundaries not demarcated at the close of the year. (6) Miles.	Length of natural boundaries not requiring artificial marks. (7) Miles.	Total length of boundaries at the close of the year. (8) Miles.	Expenditure on demarcation during the year.		Remarks. (11) Rs.
			On new work. (9) Rs.	On repairs. (10) Rs.	
7	141	814	...	...
...	8	12	...	...
7	149	326	...	107	= 107
10	8	120	...	...
...	...	81	...	...
10	3	161	...	295	= 295
...	16	793	1,202	135	= 1,337
...	37	307	...	211	= 211
...	12	891	...	...
...	...	70	...	...
...	12	461	84	270	= 354
17	209	1,925	...	...
...	8	118	...	...
17	217	2,038	1,286	1,018	= 2,304

and under Survey during the year 1901-02.—(Forest year.)

survey during the year.															Cost.					
In District Survey.			Chattranl compass or other surveys by local officers.												Years remaining to be taken under survey.	Total forest area at end of the year as per Form No. 46.	Pro- vince.	Of the year.	Entire cost of all surveys to end of the year.	Remarks.
Boundary surveys.			With interior details.						Boundary surveys.											
Pre- vious.	Of the year.	Total cost.	4-inch or over		Under 4-inch.		Total cost.	Pre- vious.	Of the year.	Total cost.	Pre- vious.	Of the year.	Total cost.	26	27.	28					29	30	31
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
Sq. m.	Sq. m.	Rs.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs.	Sq. m.	Sq. m.	Rs.	Sq. m.	Rs.	Rs.	Rs.	Rs.		
...	1,536	...	...	2,12,627			
...	68	201	...	...	...
...	217	574	215	...	...	315	
...	280	766	...	...	...
...	230	707	...	...	...

FORESTS.

Form No. 50.—Progress made in Provision working-plans, 1901-02.

Division.	Areas for which provisional working-plans have been completed.		Areas for which provisional working-plans are being completed.		Areas for which provisional working-plans have still to be taken in hand.	Total forest area, as in Form No. 46	Entire cost per square mile of provision working-plans completed.	Remarks.
	At commencement of the year	During the year	At commencement of the year	Taken in hand during the year				
1	2	3	4	5	6	7	8	9
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
Elliehpur...	A Class...	61	781	}	For 702 square miles there is a permanent working-plan, and for 18 more the preparation of a permanent plan has been commenced.
	B do ...	6	...	...	...	6
	C do ...	749	...	...	...	749
Amraoti ...	A Class...	53	}	For all the classes of forests a permanent working-plan was drawn up during the year, but not yet passed.
	B do ...	...	...	...	...	25
	C do ...	...	...	...	...	178
Buldana ...	A Class...	341	}	For the whole division a permanent working-plan was under preparation.
	B do ...	...	...	...	...	15
	C do ...	...	...	...	...	218
Basim ...	A Class...	259	2	280	}	For 19 square miles there is a permanent working-plan.
	B do ...	20	...	...	...	20
	C do ...	479	...	...	7	486
Wun ...	A Class...	230	230	}	
	B do ...	18	...	...	...	18
	C do ...	543	...	...	6	549
Total	A Class...	550	2	1,690	}	
	B do ...	44	...	...	...	84
	C do ...	1,771	...	...	13	2,180
Total ...	2,365	15	3,954	...	

FORESTS.

Form No. 50.—Progress made in Permanent working-plans, 1901-02.

Division.	Areas for which permanent working-plans have been completed.		Areas for which permanent working-plans are being completed.		Areas for which permanent working-plans have still to be taken in hand.	Total forest area as in Form No. 46.	Entire cost per square mile of permanent working-plans completed.	Remarks.
	At commencement of the year	During the year	At commencement of the year	Taken in hand during the year				
1	2	3	4	5	6	7	8	9
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
Elliehpur...	702	...	...	18	816	1,336	...	A Class.—Bairagarh-Ghughamal. Preliminary reports for revision of the Bairagarh-Ghughamal working-plans and for new plans to be drawn up for Kohan and Chiklida were submitted during the year. The former was returned unapproved.
Amraoti ..	...	...	...	261	...	261	...	A Class.—Babul tracts of Leni-Bhongaon. A Class.—Panganga.
Buldana ...	4	...	...	570	...	574	...	
Basim ...	19	...	...	...	767	786	...	
Wun ...	...	...	...	...	797	797	...	
Total ...	725	...	...	849	2,383	3,954	...	

FORESTS.

Form No. 51.—*Communications and Buildings during 1901-02.*

Division.	New work undertaken during the year.						Repairs executed during the year.							Remarks.
	Buildings.		Roads and paths.				Buildings.		Roads and paths.				Total expenditure on repairs.	
	Description of building.	Expenditure incurred.	Head or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.	Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Direction	...	Rs.	...	Miles.	Rs.	Rs.	Houses for subordinates No. (1) Others No. (1)	Rs.	...	Miles.	Rs.	Rs.		
	...	...	...	...	...	...	...	35 25	...	...	...	...
	...	...	...	...	...	...	...	60	...	...	...	60	
Ellichpur.	Rest-houses, No (2) (Part payments)						Head-quarters buildings No. (2) Out-offices No. (2)	760 269	Cart roads No. (29) Karnas roads No. (10)	385 95	4,174 112			
	Houses for subordinate establishments No. (5)	227	...	...	...	...	Rest-houses No (10).	384	Bridle paths No. (27)	279	302		
	Out-office No. (1)	344					Houses for subordinate establishments No. (23) Others No. (12.)	251 186						
		606		...	...	606		1,800		759	4,588	6,388	
Amraoti.	Mehdari rest-house No. (1)	504	...	...	...	...	Head-quarters buildings No. (1) Rest-house No. (1)	41 1	Cart road No. (1) Bridle path No. (1)	8 8	400 11		
	House for subordinates No. (1)	50		...	...	...	Houses for subordinates No. (11) Others No. (1)	92 7					
		554		...	...	...		141		11	411	552	
Buldana.	Houses for subordinate establishments No. (3)	194	...	...	...	...	Rest-houses, No (4) Houses for subordinate establishments No. (12) Others No. (1)	519 290 15	Cart roads No. (29)	122	531		
		194		...	...	194		824		122	531	1,355	
Basir.	Houses for subordinate establishments No. (1)	50	...	...	...	...	Rest-house No (1) Houses for subordinate establishments No. (12) Others No. (2)	179 142 105	Cart roads No. (5)	75	65		
		60		...	...	50		426		75	65	491	
Wun.	House for subordinate establishments No. (1)	153	...	...	...	...	Rest-houses, No. 4 Houses for subordinate establishments No. (10.) Others No. (7.)	177 180 96	Cart roads No. (56)	132	195		
		153		...	...	153		453		132	195	648	
Total.	Rest houses No. (3)	731	...	...	...	...	Head-quarters buildings, No. (3) Rest-houses No (20).	801 1,260	Cart roads No. (120) Karnas roads No. (10)	717 96	5,955 112		
	Houses for subordinate establishments No 10	454					Houses for subordinate establishments No. (78) Others No. (21)	990 384	Bridle paths No. (25).	257	313			
	Out-office No. (1)	341					Out-offices No. (2)	269						
	Grand Total	1,559	...	...	...	1,559		3,704	...	1,090	5,790	9,494	
							* New works Repairs, &c. Pay of chowkidars	1,559 3,701 464						
								5,727						

	Allylrat.			
A. VII.-a	Ha. 5.700
A. VII b. 6.717

A ₂ VII, -a	244	244	244	T.R. 5.700
A ₂ VII b ₁	244	244	244	6.217

FORESTS.

FORM No. 52.—Register of Breaches of Forest Rules during 1901-02—(Forest year.)

Forest division.	Cases pending from 1900-01.	New cases of the year					Disposed of during the year.						Cases pending at close of year.	Remarks.		
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Convictions		Acquittals		Total.					
							Cases.	Persons.	Cases.	Persons.	Cases.	Persons.				
Etlichpur Division.																
State-forests of all classes	A.	...	3	18	21	21	19	25	2	2	21	27	...	Amount Rs. 249.
	B.	...	16	184	...	4	154	154	158	327	...	...	153	327	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	...	19	152	...	4	175	175	172	352	2	2	174	354	1
Amraoti Division.																
State-forests of all classes.	A.	...	7	8	1	12	28	28	16	21	7	7	23	23	5	Amount Rs. 625.
	B.	...	5	92	50	4	151	151	151	753	...	...	151	753	...
	C.	...	48	1	...	...	44	44	...	...	...	...	...	...	...
Total	...	...	55	101	51	16	223	223	167	779	7	7	174	786	5
Buldana Division.																
State-forests of all classes.	A.	1	4	9	...	2	15	16	12	30	1	4	13	24	3	Amount Rs. 801.
	B.	...	15	121	59	2	197	197	197	679	...	...	197	679	...
	C.	...	1	5	...	...	6	6	...	...	...	...	...	...	...
Total	...	1	20	135	59	4	216	219	209	709	1	4	210	713	3	
Basim Division.																
State-forests of all classes.	A.	3	5	13	...	3	21	24	21	38	3	3	24	41	...	Amount Rs. 945.
	B.	...	8	112	...	9	160	160	160	310	...	...	160	310	...
	C.	...	15	...	...	1	16	16	...	...	...	...	...	...	...
Total	...	3	28	125	9	35	197	200	181	348	3	3	184	351	...	
Wun Division.																
State-forests of all classes.	A.	1	1	15	2	5	23	24	20	52	3	15	23	67	1	Amount Rs. 405.
	B.	...	...	131	14	14	161	161	157	312	...	...	157	312	...
	C.	...	9	7	...	...	16	16	...	...	...	...	...	...	...
Total	...	1	12	153	16	19	200	201	177	364	3	15	180	379	5	
GRAND TOTAL...																
GRAND TOTAL...	A.	5	20	63	3	22	108	113	88	166	16	31	104	197	9	Amount Rs. 3,025.
	B.	...	46	590	132	55	823	823	818	2,396	...	...	818	2,356	5
	C.	...	68	13	...	1	62	62	...	...	...	...	...	...	...
Total	...	5	134	666	135	78	1,013	1,016	906	2,552	16	31	922	2,589	14	

N.B.—"A" means cases taken into court.

"B" means cases disposed of under section 67 of Indian Forest Act, 1878.

"C" means undetected cases.

FORESTS.

ANNUAL FORM No. 58.—[Prescribed].—Area of Forest Tracts protected from fire during the Forest year 1901-02.

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1900-01.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
	<i>State-forests of Class A.</i>		<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Acres.</i>	<i>Rs.</i>	
Ellichpur.	Bairagarh ...	1872	305,696	300,304	...	309,304	2,272	
	Ghagumal ...	1877	151,964	151,964	5,926	146,038	1,985	
	Chikalda ...	1890	23,567	22,930	609	22,321	557	
	Kohana ...	1893	11,475	11,475	1	11,474	299	
	Total ...	...	492,702	495,673	6,536	460,137	5,113	
Amraoti.	Chirori ...	1881	8,431	8,431	137	8,294	311	
	Mehdari ...	1889	9,526	9,526	35	9,491	178	
	Shekhdari ...	1894	6,614	6,613	4,940	1,673	267	
	Lakhara ...	1894	2,929	3,179	...	3,179	98	
	Total ...	...	27,500	27,749	5,112	22,637	854	
Buldana.	Amdari ...	1883	15,529	15,529	5,234	10,295	328	
	Ambaburwa ...	1893	31,229	33,256	6,451	26,805	760	
	Ghat-Bori ...	1891	37,072	37,404	238	37,166	722	
	Gera-Matargaon ...	1880	41,026	47,387	...	47,887	453	
	Medsi ...	1888	6,877	10,073	...	10,073	204	
	Mohojia ...	1888	2,109	2,109	...	2,109	81	
	Loni ...	1882	1,018	1,018	...	1,018	4	
	Bhongraon ...	1882	1,857	1,910	...	1,910	12	
	Total ...	...	139,717	140,252	11,923	137,329	2,654	
Basim.	Marwari ...	1880	12,027	12,027	2,915	9,112	317	
	Kinwat ...	1881	112,895	112,219	11,671	101,548	1,394	
	Malegaon { Rui ...	1882	7,678	7,680	35	7,645	219	
	Malegaon { Morra ...	1891	...	16,384	2,300	13,984	361	
	Total ...	...	132,500	140,210	16,921	132,289	2,291	
Wan.	Gondwakri ...	1882	19,596	19,596	440	19,147	600	
	Kharad ...	1882	18,133	18,133	1,228	16,905	420	
	Umarda ...	1893	1,990	1,990	250	1,710	97	
	Pathrot ...	1882	2,997	3,317	25	3,292	167	
	Anjankher ...	1882	7,634	7,634	2,300	4,884	790	
	Lon Behel ...	1882	9,187	9,187	2,496	6,692	241	
	Dabhri ...	1893	7,588	7,788	...	7,788	167	
	Nidha ...	1893	9,205	10,606	...	10,606	204	
	Kolaptr ...	1881	43,110	43,269	483	42,786	765	
	Ghordara ...	1893	3,911	3,941	80	3,861	112	
	Jholapur ...	1897	1,731	1,731	640	1,091	65	
	Tiwasa ...	1882	4,873	4,873	1,258	3,615	169	
	Phiski ...	1893	2,342	2,342	...	2,342	77	
	Bhiskund ...	1893	5,300	5,450	35	5,415	194	
	Paonar ...	1893	3,914	3,934	...	3,914	119	
	Pardi ...	1901	3,179	3,179	...	3,179	57	
	Total ...	...	144,749	146,987	9,773	137,214	3,674	
GRAND TOTAL ...			...	...	...	...	...
			537,268	568,871	50,205	518,666	14,586	

FORESTS.

FORM No. 54.—Areas closed and open to grazing during 1901-02—(Forest year.)

Division.		Area in square miles.						Remarks.
		Closed to all animals		Closed to browsers (cattle, goats, or sheep).		Open to all animals.	Total area.	
		Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
1		2	3	4	5	6	7	8
Ellichpur	A Class	741	...	...	...	40	781	
	B "	6	...	...	...	...	6	
	C "	...	...	...	...	749	749	
	Total	747	...	...	...	789	1,586	
Amraoti	A Class	30	...	1	24	3	58	
	B "	19	...	1	5	...	25	
	C "	...	...	...	...	178	178	
	Total	49	...	2	29	181	261	
Buldana	A Class	120	...	133	...	88	341	
	B "	14	...	1	...	...	15	
	C "	...	...	...	...	206	206	
	Total	134	...	134	...	294	582	
Bazim	A Class	193	...	40	...	47	280	
	B "	...	...	...	...	20	20	
	C "	...	...	...	...	465	485	
	Total	193	...	40	...	552	785	
Wun	A Class	230	...	...	...	...	230	
	B "	...	15	2	...	...	17	
	C "	...	...	...	...	549	549	
	Total	230	15	2	...	549	796	
Circle	A Class	1,314	...	174	24	178	1,690	
	B "	39	15	4	5	20	83	
	C "	...	...	...	...	2,167	2,167	
	GRAND TOTAL	1,353	15	178	29	2,365	3,940	

FOR

Form No. 55.—Return of grazing in the

Division.	Grazing employment. Number of animals.										
	At full rates.						At privileged rates.				
	Dealers.	Cows and bullocks.	Goats and sheep.	Cattle.	Other animals.	Free private.	Police.	Cows and bullocks.	Goats and sheep.	Cattle.	Other animals.
1	2	3	4	5	6	7	8	9	10	11	12
						Rs.					
Ellichpur. { a. Timber and fuel reserves...	1,264	3,900	786	...	86	1,009	...	...	...	...	...
par. { c. Pasture reserves ...	8,155	41,375	25,433	80	1,109	10,600	...	...	...	...	...
Total ..	9,419	45,275	26,219	80	1,231	11,678	...	...	...	...	...
Amraoti. { a. Timber and fuel reserves...	533	4,521	...	...	...	1,885	...	...	...	...	...
raoti. { c. Pasture reserves ...	13,423	51,353	61,419	20	...	29,419	...	...	...	...	...
Total ..	14,021	56,874	61,419	20	...	31,304	...	...	...	...	...
Buldana. { a. Timber and fuel reserves...	1,660	17,005	3,250	...	45	6,673	575	2,579	40	...	...
dana. { b. Grass reserves ...	364	2,806	3,841	...	...	1,030	...	...	...	...	...
... { c. Pasture reserves ...	10,813	67,379	92,622	5	186	25,783	...	...	...	...	...
Total ..	13,037	86,770	99,743	5	231	33,546	775	2,579	40	...	...
Basim. { a. Timber and fuel reserves...	258	1,045	490	...	...	1,160	518	4,172	...	...	...
Basim. { b. Grass reserves ...	107	925	37	...	...	227	...	...	...	...	...
... { c. Pasture reserves ...	9,396	62,878	33,552	...	...	10,930	...	...	...	...	...
Total ..	9,451	65,751	34,079	...	...	21,317	518	4,172	...	...	...
Wun { a. Timber and fuel reserves...	...	...	...	...	...	...	...	...	...	...	...
Wun { b. Grass reserves ...	20	31	...	...	...	46	...	...	...	...	...
... { c. Pasture reserves ...	33,317	169,121	91,896	...	...	56,079	...	...	...	...	...
Total ..	33,376	169,198	91,886	...	...	56,125	...	...	...	...	...
Total { a. Timber and fuel reserves...	6,075	27,374	4,556	...	131	10,726	593	6,751	40	...	...
... { b. Grass reserves ...	560	3,315	3,473	...	...	1,363	...	...	...	...	...
... { c. Pasture reserves ...	74,829	392,613	504,012	105	1,384	1,41,811	...	...	...	...	...
GRAND TOTAL ..	79,301	423,268	313,346	105	1,515	1,53,900	693	6,751	40	...	...

Abstract for

Division.	Total total of cattle of all kinds that paid grazing dues					
	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1900-01.
	No.	No.	No.	No.	No.	No.
Ellichpur ...	123,518	122,603	96,719	89,541	122,447	53,339
Amraoti ...	159,971	173,471	140,576	135,520	155,035	76,122
Buldana ...	326,412	356,173	259,966	254,844	349,780	188,135
Basim ...	166,630	162,562	136,971	118,582	166,013	81,102
Wun ...	352,412	332,615	287,485	262,501	402,600	247,314
Total	1,128,943	1,152,519	921,687	857,438	1,256,484	646,312

ESTS.

State-forests during 1901-02 (Forest year).

Forest area.		Grazing fees. Number of animals.															Grand total value at full rates
		By right under Settlement.							Duties payable to Government, or otherwise to an owner for betterment.								
		Actual.	Value at full rates.	By right.	Cows and bullocks.	Goats and sheep.	Cattle.	Other animals.	Value of fees at full rates.	By right.	Cows and bullocks.	Goats and sheep.	Cattle.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
Rs.	Rs.						Rs.							Rs.	Rs.	Rs.	
...	...	...	27,608	...	...	...	3,451	...	7,986	163	...	56	937	937	1,945	...
...	...	...	27,608	...	...	...	3,451	...	...	...	...	...	...	3,451	14,051	...
...	...	...	27,608	...	...	...	3,451	...	7,356	163	...	56	937	4,398	15,996	...
...	...	...	119,903	...	...	...	20,727	...	...	...	...	...	...	...	1,855	...
...	...	...	119,903	...	...	...	20,727	...	...	...	...	...	...	20,727	59,146	...
...	...	...	119,908	...	...	...	20,727	...	...	...	...	...	...	20,727	61,031	...
629	1,175	...	...	...	...	...	...	...	...	...	...	...	...	...	7,518	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,090	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25,783	...
629	1,175	...	...	...	...	...	...	...	...	...	...	...	...	...	31,721	...
946	1,972	15	176	...	...	...	77	72	2,391	...	...	...	...	915	992	4,124
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	227	...
...	...	...	96,503	...	...	...	18,035	...	...	...	...	...	...	...	18,035	87,965
946	1,972	15	96,579	...	...	...	18,115	72	2,391	...	...	...	...	915	19,010	42,319
...	
...	...	...	65,672	...	...	...	12,313	...	...	...	...	...	...	...	12,313	46
...	...	...	65,672	...	...	...	12,313	...	...	...	...	...	...	...	12,313	68,392
...	...	...	65,672	...	...	...	12,313	...	...	...	...	...	...	...	12,313	68,438
1,613	3,147	15	176	...	...	...	77	72	9,777	163	...	56	1,552	1,929	13,802	...
...	...	...	308,391	...	...	...	63,529	...	...	...	...	...	...	...	63,529	1,563
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,05,340
1,614	3,147	15	208,567	...	...	...	63,676	72	9,777	163	...	56	1,552	65,455	2,22,505	...

financial year.

Total value of forest products, exclusive of sale proceeds.							
1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	1907-08.	1908-09.
No.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
16,746	16,612	16,614	12,064	12,257	25,970	7,056	10,706
128,890	41,235	43,028	31,122	34,335	36,098	15,945	50,993
203,551	10,452	65,085	48,570	44,210	61,711	25,443	34,616
141,266	35,726	51,302	24,536	15,418	32,030	10,640	21,897
226,129	163,135	62,363	53,007	52,558	72,658	51,002	56,607
816,592	2,14,129	2,21,392	1,76,099	1,69,184	2,31,470	1,19,526	1,55,155

FOR

FORM No. 56.—[Prescribed]—Area of Plantation,

Division.	Name of plantation.	Area	
		On 1st July 1901.	Added during the year.
Ellichpur	Regular	655	...
Ellichpur	Cultural	1,442	5,570
Amraoti	Do	2,110	518
Buldana	Do	925	1,578
Basim	Do	8,703	305
Wun	Do	108	49
Total ...		11,288	8,018
Grand Total ...		11,943	8,018

FORM No. 57.—Outturn (in cubic feet, solid) of Timber and Fuel

Division.	Timber in the rough, Logs.					Timber in the rough, Poles.					Sawn or squared				
	Gov- ern- ment	Pur- chasers	Free grantees	Priv- ilege hold- ers	Total	Gov- ern- ment	Pur- chasers	Free grantees	Priv- ilege hold- ers	Total	Gov- ern- ment	Pur- chasers	Free grantees	Priv- ilege hold- ers	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
<i>I.—Class A</i>															
Ellichpur ... ..	...	...	...	...	129	84,497	426	...	...	95,053	...	169,335	545	...	...
Amraoti	28	3,140	...	...	3,168	...	41,650	98	...	41,757	...	...	...	...	...
Buldana ... ..	...	...	...	...	...	...	27,834	210	...	27,834	...	...	...	...	...
Basim ... ..	...	...	...	...	...	1,371	69,110	...	...	64,420	245	...	...	...	...
Wun ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	28	3,140	...	...	3,168	1,403	139,026	734	...	231,703	245	169,335	545	...	...
<i>II.—Class B</i>															
Ellichpur ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Amraoti ... ..	...	...	...	...	...	...	...	...	...	11,146	...	...	...	...	...
Buldana ... ..	...	...	...	...	...	...	...	...	...	37,009	...	...	...	...	...
Basim ... ..	...	...	...	...	...	...	...	...	...	90,367	...	...	...	...	...
Wun ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ... ..	...	20	...	...	20	...	139,747	10,661	...	142,421	...	...	...	...	...
<i>III.—Class C-III</i>															
Ellichpur ... ..	...	...	...	...	...	...	100,007	...	...	100,007	...	...	...	...	...
<i>IV.—All Classes of</i>															
Ellichpur ... ..	...	...	...	...	...	129	101,504	426	...	195,059	...	169,335	545	...	...
Amraoti	28	3,160	...	...	3,188	...	58,805	98	...	59,003	...	...	...	...	...
Buldana ... ..	...	...	...	...	...	...	65,134	305	...	65,442	...	...	...	...	...
Basim ... ..	...	...	...	...	...	3,287	140,937	10,563	...	154,787	245	...	...	...	...
Wun ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
GRAND TOTAL	28	3,160	...	...	3,188	3,416	159,380	11,395	...	474,191	245	169,335	545	...	...

ESTS.

1901-02—(Forest year).

in acres.		Receipts	Charges	Remarks.
Excluded during the year.	Area on 30th June 1902.	of the year.		
*055	...	...	...	* About three-fourths of the plantation is now fully stocked; in the rest of the area, the soil being unfit for teak, failure was inevitable and there is no necessity for undertaking any fresh operations.
†7,012	...	...	724	† Failures.
†1,910	718	340	661	
†2,501	...	...	287	
†7,003	...	...	132	
157	...	...	855	
†18,533	718	340	2,192	
19,213	718	319	2,192	

during the year (Forest) 1901-02 and Agency of Exploitation,

Timber.		Miscellaneous.				Fuel.					Total	Remarks.
Total.	Government.	Purchase.	Private.	Privileges.	Total.	Government.	Purchase.	Private.	Privileges.	Total.	Total.	
16	17	18	19	20	21	22	23	24	25	26	27	28
Timber and Fuel Reserves.												
169,760	16,517	...	...	16,517	231,649	
...	...	2,253	1,381	...	3,634	49,665	145,738	...	...	145,738	149,015	
...	218,214	...	...	218,214	315,933	
...	70,616	...	...	70,616	98,160	
215	21,669	...	...	21,669	86,334	
170,025	...	2,253	1,381	...	3,634	49,665	278,109	...	...	278,109	931,071	
Grass and Pasture Reserves.												
...	69,953	...	...	69,953	69,953	
...	185,737	...	...	185,737	219,649	
...	261,012	...	...	261,012	217,972	
...	103,103	...	...	103,103	231,263	
...	245,655	...	...	245,655	626,528	
...	1,411,601	...	...	1,411,601	16,16,620	
Pasture Reserves.												
...	149,696	149,696	497,216	...	491,111	981,327	1,230,930	
Stocking Reserves.												
169,760	149,696	149,696	...	573,991	...	494,111	1,068,102	1,582,537	
...	21,711	21,711	...	331,630	81	42,038	373,712	39,611	
...	...	3,123	1,391	5,003	1,603	49,665	370,290	588	46,090	416,380	639,66	
...	6,051	0,051	...	199,812	...	108,103	307,915	379,113	
245	23,186	23,186	...	436,389	...	213,555	649,944	913,163	
170,025	...	3,123	1,391	269,877	213,093	49,665	1,901,029	672	935,972	2,917,137	3,407,621	

1251-11—(R.A.F.).

FORESTS.

ANNUAL FORM No. 58.—[Prescribed].—Outline of Minor Forest Produce during the year 1901-02.—(Forest year).

Description of produce.	Produce removed or utilised.										Remarks.
	By Government agency.		By purchasers.		By free grants.		By right-holders.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12
		Rs.		Rs.		Rs.		Rs.		Rs.	
Class A.—Timber and Fuel Reserves.											
Bamboos ... Nos.	10,312	380	31,39,485	32,811	11,250	140	13,000	200	21,73,047	33,537	
Grass (fodder) ... Tons	32,416	23,243	3,522	1,008	1,691	1,691	37,529	26,837	
Grazing. No. of cattle grazed.	36,036	10,726	7,684	1,614	10,219	1,929	63,979	14,289	
Roots and fruits ... Tons	54	315	10	80	...	...	64	395	
Leaves ... "	203	287	...	...	...	...	202	287	
Gum ... "	14	169	...	...	...	...	14	159	
Lac ... lb.	49	9	60	136	...	...	...	...	108	145	
Hilda ... Tons	8	428	...	...	...	...	...	...	8	428	
Tikhari grass ... "	987	1,659	...	...	...	...	987	1,659	
Thatching grass ... "	2	11	11	23	112	68	...	...	123	101	
Minerals ... "	598	105	...	...	...	...	593	115	
Thorns ... "	101	133	...	...	...	...	101	133	
Horns ... "	1	178	...	...	...	...	1	178	
Bark ... "	
Honey, &c. ... "	40	...	...	...	...	...	40	
Manures ... "	50	...	...	...	...	...	50	
Miscellaneous ... "	23	41	...	...	...	...	23	41	
Total	828	...	60,810	...	3,006	...	3,720	...	78,291	
Classes B, C-I and C-II.—Grass and Pasture Reserves.											
Bamboos ... Nos.	57,014	577	10,810	26	...	...	67,814	903	
Grass (fodder) ... Tons	653	...	15,915	17,382	75	80	...	...	16,643	17,463	
Grazing. No. of cattle grazed.	7,16,138	1,33,769	...	...	...	...	7,16,138	1,33,769	
Roots and fruits ... Tons	597	5,512	...	...	...	...	597	5,512	
Leaves ... "	203	1,769	...	...	...	...	203	1,769	
Gum ... "	14	910	...	...	...	...	14	910	
Lac ... lb.	60	4	...	...	...	...	60	4	
Hilda ... Tons	
Tikhari grass ... "	6	99	...	...	...	...	6	99	
Thatching grass ... "	
Minerals ... "	17,069	1,804	91	81	...	...	17,169	1,885	
Thorns ... "	1,162	1,473	...	...	...	...	1,162	1,473	
Horns ... "	
Bark ... "	6	24	3	9	...	...	8	33	
Honey, &c. ... "	1	...	...	...	...	...	1	
Miscellaneous ... "	106	150	...	...	...	...	105	150	
Total	1,63,774	...	196	...	...	...	1,63,970	
Class C-III.—Pasture Reserve.											
Bamboos ... Nos.	5,32,093	2,490	...	...	12,70,810	19,856	18,02,908	26,716	
Grass (fodder) ... Tons	8,009	4,389	...	...	...	...	8,009	4,389	
Grazing. No. of cattle grazed.	26,464	9,405	...	...	3,09,321	65,629	3,73,855	72,934	
Roots and fruits ... Tons	375	1,106	...	...	...	...	375	1,106	
Leaves ... "	203	330	...	...	...	...	203	330	
Gum ... "	13	10	...	...	...	...	13	10	
Lac ... lb.	60	39	...	...	...	...	60	39	
Hilda ... Tons	
Tikhari grass ... "	7,219	...	...	...	...	...	7,219	
Thatching grass ... "	
Minerals ... "	1,391	779	...	...	...	...	1,391	779	
Thorns ... "	
Horns ... "	
Bark ... "	
Honey, &c. ... "	
Miscellaneous ... "	10	...	...	...	...	...	10	
Total	20,807	...	...	...	83,385	...	1,13,382	
All classes of forests.											
Bamboos ... Nos.	10,312	380	27,23,497	49,178	22,050	172	12,82,810	20,056	40,13,769	60,784	
Grass (fodder) ... Tons	653	...	59,430	46,029	3,597	2,078	1,591	1,591	62,271	48,698	
Grazing. No. of cattle grazed.	8,17,638	1,68,900	7,684	1,614	3,18,610	65,468	11,43,972	2,20,073	
Roots and fruits ... Tons	1,026	7,023	10	80	...	...	1,036	7,103	
Leaves ... "	607	2,338	...	...	...	...	607	2,338	
Gum ... "	41	1,070	...	...	...	...	41	1,079	
Lac ... lb.	49	9	180	170	...	...	...	...	223	483	
Hilda ... Tons	8	428	...	...	...	...	...	...	8	423	
Tikhari grass ... "	993	8,007	...	...	...	...	993	8,907	
Thatching grass ... "	2	11	11	22	112	63	...	...	135	101	
Minerals ... "	19,019	2,708	94	81	...	...	19,142	2,789	
Thorns ... "	1,286	1,606	...	...	...	...	1,286	1,606	
Horns ... "	1	178	...	...	...	...	1	178	
Bark ... "	5	24	3	9	...	...	8	33	
Honey, &c. ... "	41	...	...	...	...	...	41	
Manures ... "	50	...	...	...	...	...	50	
Miscellaneous ... "	130	201	...	...	...	...	130	201	
Total	828	...	2,63,511	...	4,103	...	96,240	...	3,64,690*	*Includes Rs. 2,161

All Divisions.

FORESTS.

ANNUAL FORM No 59.—Account of timber and other produce cut or collected by Government Agency and brought to depôts, sold locally, or otherwise disposed of, during the forest year 1901-02.

Name of division.		Balance at commencement of the year in forests and in depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year.
1		2	3	4	5	6
<i>Timber.</i> (sale depôts.)		No.				
Ellichpur—Teak logs	...	...	30	30	6	24
" galls	...	...	20	20	20	...
" poles	...	...	302	302	302	205
" pieces	...	...	226	236	81	64
" shutters	...	...	64	64	...	...
Total Ellichpur Division	...	...	652	652	359	293
Amravati Division, Teak galls	...	No.	275	275	124	151
Wan division Timber	...	cft.	4,257	4,257	3,900	357
Total	{	No.	927	927	483	444
	cft.	...	4,257	4,257	3,900	357
<i>Fuel.</i>		tons.	148½	148½	48,665	148½
Amravati Division—Babul wood	...	cft.	50,065	50,065	48,665	1,400
Buldana Division,	...	...	50,213½	50,213½	48,665	1,548½
Total	...	...	2,366	2,366	2,366	...
	...	...	151	151	151	...
<i>Bamboos.</i>		No.	2,517	2,517	2,517	...
Ellichpur Division—Bamboos	...	...	...	...	...	...
Tattas	...	...	...	...	...	...
Total	...	...	6,436	6,436	5,476	24
	...	...	1,590	1,590	1,566	...
Amravati Division—Bamboos	...	No.	8,802	8,802	8,802	...
Do sticks	...	...	151	151	151	24
Total	{	No.	1,590	1,590	1,566	...
	Bamboos	...	...	...	...	...
	Tattas	...	...	...	...	...
	Sticks	...	...	...	...	...
<i>Other minor produce.</i> (sale depôts.)		No.	33	33	...	36
Ellichpur Division—Deer horns	...	...	374	374	...	374
(Forest depôts.)	...	...	...	...	...	410
Ellichpur Division—Deer horns	...	...	410	410	...	...
Total	...	...	45	45	26	19
(sale depôts.)	...	...	1,014	1,014	23	992
Ellichpur Division—Lac	...	...	1,039	1,039	48	1,011
(Forest depôts.)	...	...	96,190	96,190	24,640	71,850
Ellichpur Division—Lac	...	...	96,400	96,400	24,640	71,850
Total	...	...	7,000	7,000	...	7,000
(sale depôts.)	...	...	...	...	...	...
Ellichpur Division—Hilda	...	...	...	...	...	...
Ellichpur Division—Total Hilda	...	...	...	...	...	...
Wan Division—Thatching grass,	...	...	...	...	...	24
<i>Timber.</i>	...	...	30	30	6	151
Teak logs	...	...	295	295	144	...
" galls	...	...	302	302	302	205
" poles	...	...	236	236	31	64
" pieces	...	...	64	64	...	...
" shutters	...	...	4,257	4,257	3,900	357
Total	...	...	148	148	48,665	148
<i>Fuel.</i>	...	tons.	50,065	50,065	48,665	1,400
Babul wood	...	cft.	...	...	...	...
Do	...	...	8,802	8,802	8,802	...
Bamboos	...	No.	151	151	151	24
Do Tattas	...	...	1,590	1,590	1,566	...
Do sticks	...	...	...	...	...	...
<i>Other minor produce.</i>		No.	410	410	48	410
Deer horns	...	...	1,039	1,039	24,640	1,011
Lac	...	...	96,490	96,490	24,640	71,850
Hilda	...	...	7,000	7,000	...	7,000
Thatching grass	...	...	...	...	...	...

FORESTS.

ANNUAL FORM No 60-A.—[Prescribed]—Abstract showing the value of timber and other produce at sale depôts for the Forest year 1901-02.

Description of timber and other produce.	On hand at commencement of the year			On hand at close of the year.			Difference in value.		Remarks.
	No.	C ft	Value.	No	C.ft	Value	In favour of the year	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Rs			Rs	Rs	Rs	
<i>Timber.</i>									
Teak logs No.	24	...	72	72	...	
Do. gols "	151	...	38	38	...	
Do poles "	
Do. pieces "	205	...	5	5	...	
Do. shutters "	84	...	727	727	...	
c. ft.	357	51	51	...	
<i>Fuel.</i>									
Babul wood tons	148	...	477	477	...	
Do. c. ft.	1,400	63	63	...	
<i>Bamboos.</i>									
Tattas No.	
Sticks "	24	...	1	1	...	
<i>Other minor produce.</i>									
Deer horns No.	410	...	105	105	...	
Lac lbs.	1,031	...	127	127	...	
Hilda "	1,850	...	1,500	1,500	...	
Thatching grass, pulas..	7,000	...	7	7	...	

ANNUAL FORM No. 60-B.—[Prescribed]—Abstract showing the value of live and dead stock for the Forest year 1901-02.

Description of live and dead stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
<i>Circle.</i>		Rs		Rs	Rs.	Rs.	
1. Survey and other instruments	201	1,420	284	1,305	...	115	
2. Tools ...	8,900	6,675	8,678	5,794	...	231	
3. Office quarters	2	6,670	2	6,337	...	333	
4. Rest-houses	53	38,813	52	38,910	97	...	
5. Office and rest-house furniture.	1,643	8,601	1,651	8,300	...	301	
6. Tents ...	45	4,350	36	4,252	...	104	
7. Miscellaneous	1,145	3,908	1,097	3,588	...	320	
8. Elephants	2	3,000	2	3,804	...	804	
9. Bullocks	1	22	1	22	...	...
GRAND TOTAL ...	12,112	71,785	11,803	70,312	97	1,550	Net difference against the year Rs 1,455.

FORESTS.

ANNUAL FORM No. 61.—(PRESCRIBED).—Summary of Revenue of the different divisions during the Forest year 1901-02.

Budget Heads. (1)	Director Office. (2)	Amroli Division. (3)	Bavli Division. (4)	Baldia Division. (5)	Ellenpur Division. (6)	Van Division. (7)	Total. (8)
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency—							
a. Timber ...	...	...	...	...	68 15 3	74 0 0	137 15 0
b. Firewood and charcoal...	...	...	...	1,057 6 0	...	...	1,057 6 0
c. Bamboos ...	...	202 0 0	...	...	88 5 0	...	390 5 0
d. Sandalwood ...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	...	...	447 11 4	...	447 11 4
Total ...	...	202 0 0	...	1,057 6 0	599 15 4	74 0 0	2,023 5 4
II.—Timber and other produce removed from the forests by consumers or purchasers—							
a. Timber ...	...	520 14 0	13,445 4 6	16,328 0 0	93,676 8 8	17,265 11 0	1,40,113 6 2
b. Firewood and charcoal...	...	15,669 3 11	5,431 0 3	18,077 11 0	19,891 9 9	13,206 0 3	72,265 9 2
c. Bamboos ...	...	9 10 0	142 10 8	2,075 412 0	36,656 11 10	1,243 3 3	40,176 18 4
d. Grazing and fodder grass...	...	52,119 3 9	25,110 4 5	37,100 16 3	17,781 8 9	68,201 2 3	2,00,412 1 5
e. Other minor produce ...	...	4,271 4 4	2,011 0 6	1,032 6 0	11,527 13 6	4,727 3 7	24,522 10 11
Total ...	...	72,506 3 0	16,222 3 11	75,524 12 3	1,78,533 4 6	1,04,813 3 4	4,77,610 11 0
III.—Drift and waif wood and confiscated forest produce ...	...	7 14 9	18 7 6	73 0 3	27 1 6	1,557 2 0	1,683 10 9
Total ...	...	7 14 9	18 7 6	73 0 3	27 1 6	1,557 2 0	1,683 10 9
V.—Miscellaneous—							
a. Fines and forfeitures ...	...	...	...	...	1 8 0	10 6 3	11 14 3
b. Refunds ...	17 11 3	3 6 4	90 1 2	113 2 1	225 11 1	3 10 7	463 9 6
c. Other sources ...	515 9 7	1,032 2 7	601 1 0	251 6 10	720 7 4	895 7 5	4,735 3 3
Total V ...	532 4 10	1,035 7 11	691 2 2	1,064 8 11	976 10 6	908 8 2	5,210 10 11
Grand Total Revenue ...	632 4 10	78,631 0 8	46,931 14 1	77,519 11 6	1,80,136 15 9	1,07,181 14 3	4,86,137 0 0

ANNUAL FORM No. 61.—(PRESCRIBED).—Summary of Expenditure of the different divisions during the Forest year 1901-02.

I.—Timber and other produce removed from the forests by Government agency—							
a. Timber ...	25 0 0	...	...	...	29 9 0	51 6 0	105 15 9
b. Firewood and charcoal...	...	103 15 6	...	396 11 3	...	266 13 10	767 9 6
c. Bamboos ...	...	116 14 0	...	...	27 12 0	...	144 10 0
d. Sandalwood...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	...	...	545 8 6	...	545 8 6
Total A-I ...	25 0 0	220 13 6	...	396 11 3	602 13 6	318 3 10	1,563 10 9
II.—Timber and other produce removed from the forests by consumers and purchasers—							
Total A-II ...	...	1,591 2 23	1,766 0 7	4,350 11 4	1,720 2 8	3,723 14 4	13,162 6 2
III.—Drift and waif wood and confiscated forest produce ...	...	...	3 0 0	0 12 0	...	...	3 12 0
Total A-III ...	...	...	3 0 0	0 12 0	...	...	3 12 0
V.—Rent of leased forests and payments to share-holders in forests managed by Government ...	...	...	...	...	18,810 12 0	...	18,810 12 0
Total A-V ...	...	...	...	...	18,810 12 0	...	18,810 12 0
VI.—Live-stock, stores, tools and plant—							
a. Purchase of cattle ...	...	...	...	...	...	...	...
b. Feed and keep of cattle...	995 10 4	...	...	...	...	1,019 1 5	1,995 11 9
c. Purchase of stores, tools and plant ...	1,100 12 6	15 8 0	121 4 0	47 5 0	67 2 0	122 0 6	1,176 15 11
Total A-VI ...	2,095 0 10	15 8 0	121 4 0	47 5 0	67 2 0	2,141 2 10	3,162 11 3
VII.—Communications and buildings—							
a. Roads and bridges ...	...	411 7 3	75 0 0	531 0 11	7,587 11 6	101 14 4	5,700 7 11
b. Buildings ...	115 0 0	1,809 1 11	520 10 4	1,169 8 9	2,406 0 3	698 5 10	5,726 10 3
c. Other works ...	28 11 0	139 10 6	1 10 0	23 1 6	52 2 0	122 1 6	345 10 4
Total A-VII ...	143 11 0	1,959 2 9	606 10 4	1,724 1 2	7,625 13 8	1,015 6 7	11,802 19 6
VIII.—Organization, improvement and extension of forests—							
a. Demarcation ...	...	295 5 7	210 13 0	1,326 8 0	107 2 0	863 11 3	2,303 7 10
b. Cost of settlement/compensation for land and rights ...	...	...	...	...	...	...	...
c. Surveys ...	60 12 8	...	...	...	98 7 3	...	98 4 0
d. Working-plans ...	161 10 0	30 0 0	...	81 5 1	...	34 5 0	310 13 1
e. Sowing and planting ...	3 2 6	247 6 0	121 6 0	286 9 3	724 1 9	301 10 3	2,056 3 9
f. Protection from fire ...	...	1941 3 0	2,318 8 11	2,728 6 10	5,123 0 8	3,801 12 5	11,911 5 10
g. Other works ...	...	...	...	823 8 7	...	12 4 6	823 13 1
Total A-VIII ...	284 0 3	1,914 7 7	2,661 11 11	4,195 18 2	6,801 4 0	4,669 1 6	20,643 15 7
IX.—Miscellaneous—							
a. Law charges ...	...	...	5 1 0	...	30 15 0	174 0 6	210 6 6
b. Other charges ...	160 6 0	48 1 0	10 13 0	10 14 0	64 1 0	3 1 0	265 10 6
Total A-IX ...	160 6 0	48 1 0	10 13 0	10 14 0	94 1 0	177 2 0	475 11 0
TOTAL A.—CONSERVATION AND WORKS ...	2,631 1 10	5,010 10 1	5,115 11 10	10,061 3 10	35,136 0 1	10,068 18 0	60,884 11 8

FORESTS.

ANNUAL FORM No. 61.—(PRESCRIBED).—Summary of Expenditure of the different divisions during the Forest year 1901-02.—contd.

Budget heads (1)	Director's Div. (2)	Amraoti Division (3)	Bolpur Division (4)	Bokaro Division (5)	Elmhurst Division (6)	Wan Division (7)	Total (8)
Rs. a p.	Rs. a p.	Rs. a p.	Rs. a p.	Rs. a p.	Rs. a p.	Rs. a p.	Rs. a p.
Brought forward, Total A.—Conservancy and Works...	2,621 1 10	6,019 10 1	5,115 11 10	10,961 3 10	35,135 0 1	10,968 13 0	69,584 11
B.—ESTABLISHMENTS							
I.—Salaries—							
a. Conservators ..	19,283 8 0				22 0 0		19,260 8 0
b. Superior officers ..	4,165 10 0	3,696 10 8	5,139 5 7	3,502 0 0	9,354 8 1	3,600 0 0	29,765 2 10
c. Subordinate forest and depot estab- lishments ..	361 10 0	4,101 9 5	4,517 12 1	8,106 1 3	18,314 6 7	10,912 2 5	46,436 10 3
d. Office establish- ments ..	4,113 12 11	1,719 6 10	1,023 14 7	2,593 8 9	3,549 10 10	2,171 13 1	16,099 14 0
e. Deputation and special allowances ..	1,581 1 5	50 0 0	...	...	10 8 1	602 0 0	2,253 0 0
f. Exchange compen- sation allowance ..	1,139 13 4	...	185 13 0	...	175 0 0	...	1,801 11 1
Total B-I. ..	29,033 8 3	9,760 10 11	11,766 14 0	14,597 5 0	31,725 1 7	17,318 15 0	1,14,007 7 8
II.—Travelling allow- ances—							
a. Conservators ..	1,143 6 0				1,626 8 0	785 14 0	1,143 6 0
b. Superior officers ..	997 2 0	817 4 0	621 12 0	971 8 0	1,626 8 0	785 14 0	5,850 0 0
c. Subordinate forest and depot estab- lishments ..	123 11 4	741 11 10	643 13 0	1,304 3 6	2,072 7 1	1,516 13 0	7,781 11 5
d. Office establish- ments ..	613 11 8	163 2 3	102 13 0	372 8 4	453 11 8	152 6 8	1,917 5 7
Total B-II. ..	3,882 15 0	1,761 2 1	1,717 0 0	3,119 3 10	4,752 10 9	2,145 1 8	17,027 7 4
III.—Contingencies—							
a. Stationery ..	78 11 0	22 5 0	33 1 0	45 11 0	81 4 9	59 7 3	330 11 6
b. Carriage of tents and records ..	1,068 3 2	656 5 2	515 0 4	787 2 4	912 3 0	643 8 2	5,183 0 3
c. Rents, rates and taxes ..	...	...	...	...	100 0 0	...	100 0 0
d. Pay of police guards ..	450 2 6	123 13 6	211 11 9	341 3 9	353 8 6	150 7 6	1,709 16 6
e. Official postage ..	751 2 3	195 5 3	300 5 6	417 13 11	595 14 1	567 14 6	3,092 7 6
f. Sundries ..	...	...	...	...	...	...	...
Total B-III. ..	2,537 5 11	1,802 11 11	1,068 14 7	1,611 15 4	1,988 12 4	1,471 6 5	10,400 2 8
Total B—Establi- shments ..	35,773 13 1	12,611 8 11	14,555 2 7	19,367 8 10	38,476 8 8	11,270 7 7	1,43,941 1 8
Grand Total of Ex- penditure ..	35,794 14 11	17,661 3 0	19,634 1 5	20,931 12 8	73,611 8 9	32,230 4 7	2,11,925 13 4
Surplus or Deficit	-37,661 10 1	+66,267 6 8	+27,219 12 8	+47,357 11 3	+1,06,525 7 0	+74,911 9 8	+2,74,511 8 8

W. D. F. COWLEY,
Comptroller, Hyderabad.

FORM No. 62.—Account-current of the Forest Department, Hyderabad Assigned Districts, for the Forest year 1901-02.

To Cash Balance	Rs. a p.	By I.—Refunds and Drawbacks	Rs. a p.
IX.—Forest (Revenue and summary) ..	1,80,437 6 0	II.—Forest (Expenditure as per summary) ..	2,11,925 13 4
Services Funds (Forest Officers' Provident Fund) Postal In- surance Fund, United Service Family Pension Fund, Bengal Deposits ..	4,172 15 0	Deposits ..	2,017 0 0
Forest Cash Remittances, Local Forest cheques drawn Inter-divisional transfers ..	85 0 0	Forest Cash Remittances, Local Remittances to treasuries Inter-divisional transfers Cancelled cheques ..	40,135 14 6 3,811 0 0 160 0 0
To Advances recoverable ..	2,08,090 10 0	By Advances recoverable ..	1,07,205 2 1
House-building advances ..	8,555 16 5	House-building advances ..	3,900 0 0
Suspense (cash recoveries) ..	1,85,781 4 1	Suspense (cash recoveries) ..	240 1 11
Account-current (other Govern- mentals) ..	350 0 0	Account-current (other Govern- mentals) ..	2,705 2 6
Inter-departmental transfers ..	240 1 11	Inter-departmental transfers ..	7,105 13 4
	5,707 8 7	Pamona charges ..	611 0 9
	220 8 8	Forest Officers' Provident Fund ..	1,393 8 4
		Cash Balances ..	...
Total ..	...	Total ..	...
	3,91,640 13 9		1,83,780 13 11
			8,94,610 13 9

BOLARUM;
4th September 1902.W. D. F. COWLEY,
Comptroller, Hyderabad.

FORESTS.

ANNUAL FORM No. 63.—(PRESCRIBED).—Revenue received and outstandings on account of Revenue during 1901-02 (forest year).

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the Department at end of year.
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Direction ..	Various sources ...	...	533 4 10	533 4 10	533 4 10	...
Ellichpur ...	Timber and other produce.	...	1,87,462 4 0	1,87,462 4 0	1,80,136 15 9	7,325 4 3
Amraoti ...	Do ...	...	79,779 9 8	79,779 9 8	73,981 9 8	5,849 0 0
Buldana ...	Do ...	...	77,780 11 5	77,780 11 5	77,719 11 5	61 0 0
Basim ...	Do ...	...	47,156 14 1	47,156 14 1	46,931 14 1	225 0 0
Wun ...	Do ...	...	1,07,186 6 3	1,07,186 6 3	1,07,183 14 3	2 8 0
	Total ...	...	4,99,899 2 3	4,99,899 2 3	4,86,437 6 0	13,461 12 3

ANNUAL FORM No. 64.—(PRESCRIBED).—Outstandings and liabilities on account of contractors and disbursers for 1901-02—(Forest year).

Divisions.	Department debtor.			Department creditor.			Balance due.
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings.)
1	2	3	4	5	6	7	8
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Amraoti ...	...	10,124 12 3	10,124 12 3	2,292 8 9	17,910 6 10	22,192 15 7	709 3 4
Basim ...	...	15,827 5 0	15,127 5 0	2,976 14 0	10,151 0 5	22,345 14 5	4,009 9 5
Buldana ...	...	27,802 12 7	27,802 12 7	2,579 2 8	26,936 4 10	20,615 7 0	1,713 10 5
Direction ...	...	10,076 6 0	10,076 6 0	187 6 1	10,161 15 10	10,310 5 11	272 15 5
Ellichpur ...	93 0 4	52,015 13 2	52,109 6 6	17,189 8 9	67,701 12 2	81,891 4 11	2,781 14 5
Wun ...	...	26,159 10 11	26,159 10 11	4,168 10 6	23,161 13 7	27,633 7 1	1,473 12 3
Total ...	93 0 4	1,83,806 12 5	1,83,900 5 9	29,534 2 3	1,65,334 4 8	1,94,018 6 11	11,018 21 3

A. D. F. COWLEY,

Comptroller, Hyderabad.

ANNUAL FORM No. 65.—(PRESCRIBED).—Financial results of the year 1901-02 (Forest year).

Divisions.	Timber and other produce, removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	...	25	533	19,512	18,558	533	33,395
Ellichpur	600	603	1,79,537	37,756	35,253	1,80,137	73,612
Amraoti	292	220	73,610	3,334	9,110	73,932	17,664
Buldana	1,057	397	76,663	13,776	16,159	77,720	30,3 2
Basim	...	...	46,932	8,923	10,761	46,932	19,634
Wun	74	318	1,07,110	14,780	17,101	1,07,184	32,239
Total	2,023	1,563	4,81,415	1,03,031	1,07,332	4,86,438	2,11,926

FOR

APPENDIX A.—Abstract of changes in area with their

Division.	Class.	At commencement of year.		Changes during year.							Total additions.
		Acres.	Square miles.	Reservations.	Additions due to						
					Transfers from B class.	Transfers from C class.	Transfer from one class to another.	Correction of figures.	Inclusion of area omitted by mistake from previous statement.		
Ellichpur ...	A	496,810	775	...	...	392	4,187	...	...	4,579
	B	3,687	6	...	...	...	...	...	...	...
	C	487,820	768	...	...	...	2,399	...	...	2,232
Total ...	...	987,817	1,541	...	...	392	6,426	...	...	6,818
Amraoti ...	A	35,014	55	...	...	2,091	...	...	...	2,091
	B	16,111	25	...	...	...	18	...	...	18
	C	104,925	164	...	...	...	10,931	...	...	10,931
Total ...	...	156,050	244	...	...	2,091	10,949	...	...	13,040
Buldana ...	A	218,209	341	4,414	414	1,734	14,156	3,041	94	23,533	
	B	10,539	17	...	...	...	...	...	...	...
	C	157,251	247	99	233	...	6,784	...	...	9,066
Total ...	...	386,019	605	4,513	647	1,731	22,870	3,041	94	32,999
Basim ...	A	175,472	274	1,237	...	...	16,234	...	...	17,521
	B	12,373	19	...	...	...	607	...	...	607
	C	300,771	469	2,614	...	...	16,368	...	...	18,977
Total ...	...	488,616	762	3,851	...	...	33,254	...	...	37,105
Wan ...	A	146,937	230	...	...	...	...	...	...	...
	B	13,513	21	...	...	...	...	...	...	...
	C	350,628	547	3,786	756	...	...	...	...	4,542
Total ...	...	511,128	798	3,786	756	...	...	...	...	4,542
GRAND TOTAL ...	...	2,529,860	3,958	12,150	1,403	4,217	73,499	3,041	94	94,204

APPENDIX B.—Return showing rann or

Division.	Cases taken into court.				Cases compounded.			
	Injury to forests by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.
Ellichpur ...	2	18	...	...	10	131	...	4
Amraoti ...	7	8	1	12	5	92	50	4
Buldana ...	4	9	...	2	15	121	59	2
Basim ...	5	13	...	3	8	112	9	31
Wun ...	1	15	2	5	12	131	14	14
Total ...	20	63	3	22	45	490	132	55
Average of previous 10 years	15	118	13	26	24	475	91	65

ESTS.

cases in each Forest Division during 1901-02.

During the year.						At close of the year.	
Division.	Education due to		Transfer from one forest division to another forest division.	Correction of figure.	Total reduction.	Acres.	Square miles.
	Transfers to.	Transfers from.					
	A class.	C class.					
637	...	...	...	...	637	500,252	731
...	...	...	18	...	18	3,669	6
...	392	...	10,981	...	11,323	478,736	749
637	392	...	10,949	...	11,978	952,657	1,536
...	...	...	...	...	...	37,105	58
...	...	...	...	...	...	16,329	25
21	2,091	...	...	...	2,112	113,744	178
21	2,091	...	...	...	2,112	167,178	261
4	...	...	20,471	8,062	28,557	218,455	341
...	414	233	607	...	1,254	9,335	15
6,185	1,734	...	18,602	135	26,656	189,661	218
6,189	2,143	233	39,680	8,217	51,467	367,481	574
...	...	...	14,136	...	14,136	178,857	230
...	...	...	...	...	...	12,980	20
2	...	...	8,734	...	8,736	311,012	486
2	...	...	22,870	...	22,872	502,549	786
...	...	...	...	...	...	146,987	230
1,514	...	756	...	...	2,270	11,243	18
3,138	...	...	...	...	3,138	352,032	519
4,652	...	756	...	...	5,408	510,262	797
11,501	4,631	989	73,499	3,217	93,837	2,530,427	3,954

of disposal of cases by forest offences.

Cases undetected.				Total cases.				Grand total of cases.
Injury to forests by fire.	Unauthorized felling or preparation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or preparation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
...	...	...	...	19	162	...	...	175
...	...	...	...	56	101	51	16	223
15	...	...	...	20	135	59	4	218
9	...	...	1	28	125	9	35	197
...	7	...	...	12	153	16	19	200
68	13	...	1	134	666	135	78	1,013
24	29	12	1	63	622	116	92	853

Appendix C.—Return showing the punishments awarded to members of the permanent Subordinate and Office Establishments during the Forest year 1901-02.

Designation.	Actual strength of staff on 1st July 1901.	Number of punishments.						Number of individuals punished.							Percentage with respect to strength of staff	
		Prosecution.	Dismissal.	Detention.	Suspension.	Fine.	Total.	Once.	Twice.	Times.				Total.	Punishments.	Individuals punished.
										3	4	5	7			
Rangers ...	10	...	1	...	1	...	2	...	1	...	...	...	...	1	20 0	10 0
Deputy Rangers ...	23	...	...	...	...	5	5	5	...	...	...	...	...	5	21 7	21 7
Foresters ...	63	...	...	...	3	15	19	10	3	1	...	...	...	14	30 1	22 2
Forest Guards ...	172	...	11	2	...	99	65	52	15	1	...	...	...	68	49 4	39 5
Clerks ...	38	...	...	...	...	1	2	2	...	...	...	...	...	2	5 2	5 2
Driftsmen ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Orderlies ...	10	...	1	...	...	4	5	2	...	1	...	...	...	3	50 0	30 0
Total ...	317	...	13	5	6	94	118	71	19	3	...	...	...	93	37 2	29 3

